POSTER SESSION 1 Sunday 15th March, 19:00 – 20:45			
Poster Number	**Poster Presenter**		**Title, Authors & Affiliations**
Symposium A - Bioinspired			
[A1.1.01]	S. & E.	Amigoni & Taffin De Givenchy	**Auto-bactericidal surfaces obtained by plasma induced covalent grafting** E. Taffin De Givenchy*, A. Soufi, F. Guittard, S. Amigoni*, *Université de Nice, France*
[A1.1.02]	D.	Appelhans	**Dendritic sugar balls for biological experiments driven by H-bonds** D. Appelhans*[1], H. Komber[1], B. Voit[1], S. Schwarz[1], B. Klajnert[2], M. Bryszewska[2], *[1]Leibniz Institute of Polymer Research Dresden, Germany, [2]University of Lodz, Poland, [3]Johann-Wolfgang-Goethe-University, Germany*
[A1.1.03]	S.	Brewer	**Plastron respiration, synthetic mimics** S. Brewer*[1], R. Reeve[1], S. Smith[1], W. Mothersole[1], G. McHale[2], *[1]Dstl, UK, [2]Nottingham Trent University, UK*
[A1.1.04]	E.	Gallino	**Plasma polymerized allylamine films deposited on 316L stainless steel for cardiovascular stent coating** E. Gallino*[1,2], F. Arefi-Khonsari[1], D. Mantovani[2], M. Tatoulian[1], *[1]University Paris 6, France, [2]Laval University and University Hospital Research Center, Canada*
[A1.1.05]	L.	Gorbatikh	**Insights into toughening mechanisms of composite materials with bimodal size inclusions** L. Gorbatikh*, S.V. Lomov, I. Verpoest, *Katholieke Universiteit Leuven, Belgium*
[A1.1.06]	S.H.	Han	**Enhanced cellular activity of siRNA-inorganic nanohybrid** S.H. Han*[1], D.H. Park[1,2], J.H. Choy[1], *[1]Ewha Womans University, Korea, [2]Yonsei University, Korea*
[A1.1.07]	S.H.	Han	**Cellular mechanism of inorganic nanovehicle encapsulated with anticancer drug** S.H. Han*[1], J.A. Kim[1], J.M. Oh[1,2], S.J. Choi[1,3], J.H. Choy[1], *[1]Ewha Womans University, Korea, [2]Yonsei University, Korea, [3]Seoul Women's University, Korea*
[A1.1.08]	B.	Hering	**Nacre as modle for bio-inspired implant materials - synthetic approaches** B. Hering*[1], P. Behrens[1], S. Waraich[2], O. Helmecke[2], H. Menzel[2], *[1]Leibniz Universitat Hannover, Germany, [2]Technische Universitat Braunschweig, Germany*
[A1.1.09]	I.	Illiopoulos	**Chain conformation and molecular recognition in thermosensitive polymers: Bio-inspired polymers for controlled release** G. Carré de Lusancay[1], S. Norvez[1], I. Iliopoulos*[1], *[1]ESPCI, France*
[A1.1.10]	O.N.	Lazarenko	**Atomic force microscopy for prediction the vascular tissue reaction (experimental study)** T.A. Aleksyeyeva[1], O.N. Lazarenko*[1,2], A.O. Lazarenko[1,2], P.M. Lytvyn[1], N.T. Kartel[1,2], *[1]NAS of Ukraine, Ukraine, [2]National Medical Academy of Postgraduate Education, Ukraine*
[A1.1.11]	H.T.	Liu	**Biomedical polyurethane/silk fibroin biohybrids: Wet spinning of silk-inspired polyurethane biofibers containing peptide links** H.T. Liu*[1,2], W.L. Xu[2], *[1]Donghua University, China, [2]Wuhan University of Science & Engineering, China*
[A1.1.12]	S.	Louguet	**Formation of drug delivery nanovectors based on polyelectrolyte adsorption onto magnetic nanoparticles** S. Louguet*[1,2], C. Schatz[1], J.F. Le Meins[1], S. Mornet[2], E. Duguet[2], S. Lecommandoux[1], *[1]LCPO, France, [2]ICMCB, France*
[A1.1.13]	M.N.	Markelova	**Hybrid nanoparticles with controlled Curie temperature for local tumor hyperthermia and fluorescence imaging** O.Y. Gorbenko[1], M.N. Markelova*[1], O.V. Melnikov[1], A.R. Kaul[1], B.M. Odintsov[2], E.J. Roy[2], *[1]Moscow State University, Russia, [2]University of Illinois at Urbana-Champaign, USA, [3]Institute of Radio Engineering and Electronics, Russia*
[A1.1.14]	L.	Olenic	**DNA as biomolecular template for metallic nanostructures** L. Olenic*[1], S. Pruneanu[1,2], S.A.F. Al-Said[2], N.G. Wright[2], A. Houlton[2], B.R. Horrocks[2], *[1]National Institute of R&D for Isotopic and Molecular Technologies, Romania, [2]University of Newcastle, UK*
[A1.1.15]	M.	Otter	**Cell growth on monolayers of functionalized zeolite L crystals** M. Otter*[1], L. De Cola[1], *[1]University Muenster, Germany*
[A1.1.16]	D.H.	Park	**Nanoforensic science meets nanohybrid-driven optical DNA identification** D.H. Park*[1,2], M.W. Jang[1], S.H. Han[1], J.M. Oh[2], Y.G. Shul[2], J.H. Choy[1], *[1]Ewha Womans University, Korea, [2]Yonsei University, Korea*
[A1.1.17]	D.H.	Park	**Enhanced UV A1 screening of caffeic acid-intercalated nanohybrid** Y.M. Park[1], D.H. Park*[1,2], Y.G. Shul[2], J.H. Choy[1], *[1]Ewha Womans University, Korea, [2]Yonsei University, Korea*
[A1.1.18]	L.	Patron	**Synthesis and characterization of Cu(II), Co(II), Zn(II), Cd(II) and Ln(III) piroxicam coordination compounds** L. Patron*[1], G. Marinescu[1], D.C. Culita[1], S. Nita[2], F. Tuna[3], N. Stanica[1], *[1]Institute of Physical Chemistry "Ilie Murgulescu", Romania, [2]National Institute of Chemical-Pharmaceutical Research and Development, Romania, [3]University of Manchester, UK*

[A1.1.19]	A.E.	Peter	**Design of bio-inspired adhesives with hierarchical structures** A. Edward Peter*, A. Ghatak, *Indian Institute of Technology, India*
[A1.1.20]	G.	Pourroy	**Dendronised magnetite nanoparticles as contrast agent for MRI** B. Basly[1], D. Felder-Flesch[1], P. Perriat[1,2], G. Pourroy*[1], S. Bégin-Colin[1], *[1]IPCMS, France, [2]INSA Lyon, France*
[A1.1.21]	S.	Pruneanu	**DNA templated silver nanowires** S. Pruneanu*[1,2], S.A.F. Al-Said[2], L. Olenic[1], N.G. Wright[2], A. Houlton[2], B.R. Horrocks[2], *[1]National Institute for R&D of Isotopic and Molecular Technologies, Romania, [2]University of Newcastle, UK*
[A1.1.22]	Y.	Rakovich	**Hybrid material from fluorescent quantum dots and photochromic membrane protein bacteriorhodopsin: Engineering and dynamic optical switching applications** I. Nabiev[1], A. Sukhanova[1], S. Haacke[2], Y. Rakovich*[3], M. Molinari[1], M. Troyon[1], *[1]Université de Reims Champagne-Ardenne, France, [2]IPCMS-GONLO, France, [3]Trinity College Dublin, Ireland*
[A1.1.23]	M.	Roskamp	**Switchable coiled coil peptide-induced organization of gold nanoparticles** M. Roskamp*, S.C. Wagner, B. Koksch, S. Schlecht, *Freie Universität Berlin, Germany*
[A1.1.24]	M.S.	San Román	**Intercalation of p-cumaric acid, phenylalanine and OTA into LDH´s** M.S. San Román*, M.A. García, M.J. Holgado, *Universidad de Salamanca, Spain*
[A1.1.25]	S.	Sen	**The application of chemically polymerized 4-(1h-1 pyrrolyl) benzoicacid as glucose biosensor** S. Sen*[1], A. Uygun[2], T. Tilki[2], M. Uluturk[2], *[1]Mehmet Akif Ersoy University, Turkey, [2]Süleyman Demirel University, Turkey*
[A1.1.26]	P.	Laaksonen	**Borrowing from nature: Protein self-assembly for nanostructured hybrid materials** P. Laaksonen*, T. Blomqvist, K. Kurppa, A. Paananen, G. Szilvay, M. Linder, *VTT Biotechnology, Finland*
[A1.1.27]	S.C.	Wagner	**Nanoparticle induced folding and fibril formation** S.C. Wagner*, M. Roskamp, C. Böttcher, S. Schlecht, B. Koksch, *Freie Universität Berlin, Germany*
[A1.1.28]	G.	Popova	**Synthesis and Synergetic Properties of Several Nanoscale Hybrids** G Popova*, M Vantsyan, *Mendeleyev University of Chemical Technology of Russia, Russia*
			Symposium A - Biomineralisation
[A1.2.01]	I.A.	Banerjee	**Designed natural and synthetic peptide assemblies as nanoreactors for growth of shape and size controlled nanoparticles** I.A. Banerjee*, M.M. Henricus, K.T. Johnson, E.M. Smoak, *Fordham University, USA*
[A1.2.02]	E.	Brunner	**Aragonite-silica and calcite-silica biocomposites: Novel hybrid materials found in marine sponges** H. Ehrlich, E. Brunner*, *Dresden University of Technology, Germany*
[A1.2.03]	I.	Gómez	**Bioshyntesis of CdS and ZnS from two funguses** L. Reyes, I. Gómez*, M.T. Garza, M. Hinojosa, Y. Méndez, *Universidad Autónoma de Nuevo León, Mexico*
[A1.2.04]	A.	Heredia	**Study of the changes in the hybrid composition of cell walls of nitschia sp. diatom as response to Cd2+ toxicity: An ATR-FTIR analysis** C. Rodrigues, C. Oliveira, A. Heredia*, I. Delgadillo, E. Figueira, S. Almeida, *Universidade de Aveiro, Portugal*
[A1.2.05]	F.	Kovanda	**Intercalation of risedronate into Mg-Al hydrotalcite** F. Kovanda*, M. Jiricková, E. Leitmannová, *Institute of Chemical Technology, Czech Republic*
			Symposium A - Sol-gel
[A1.3.01]	V.	Ball	**Reactive layer-by-layer deposition performed by spray: Composite films containing polycations, SiO2 or TiO2 nanoparticles with optical and photoinduced superhydrophilicity properties** N. Laugel[1], J. Hemmerlé[2,3], N. Ladhari[2,3], J.C. Voegel[2,3], P. Schaaf[1], V. Ball*[2,3], *[1]Centre National de la Recherche Scientifique, France, [2]Institut National de la Santé et de la Recherche Médicale, France, [3]Université de Strasbourg, France*
[A1.3.02]	D.	Böcking	**Effects of mesoporous silica films on cultivation of human cells** D. Böcking*, N.K. Hüsing, *Ulm University, Germany*
[A1.3.03]	T.	Coradin	**Encapsulation of micro-algae in mineral matrices for bio-controlled nanoparticle formation** C. Sicard[1,2], R. Brayner[1], F. Fiévet[1], J. Livage[2], T. Coradin*[2], *[1]Paris Diderot, France, [2]Paris VI, France*
[A1.3.04]	C.	Desfours	**Optical sensors for biomolecules detection** C. Desfours*[1], S. Calas[1], F.J.G. Cuisinier[2], R. Horvath[3], C. Gergely[1], P. Etienne[1], *[1]Université Montpellier II, France, [2]Université Montpellier I, France, [3]Risø National Laboratory, Denmark*
[A1.3.05]	M.F.	Desimone	**Immobilization of hybridoma cells in sol-gel silica matrices** M.F. Desimone*[1], M.C. De Marzi[2], G.S. Alvarez[1], E.L. Malchiodi[2], L.E. Diaz[1], *[1]Universidad de Buenos Aires, Argentina, [2]IQUIMEFA, IDEHU-CONICET, Argentina*

[A1.3.06]	S.S.	Ivanchev	**Silicone hydrogels on the basis of interpenetrating polymer networks** S.S. Ivanchev*[1], V.N. Pavlyuchenko[2], S.J. Khaikin[1], V.F. Danilichev[2], N.A. Ushakov[2], S.V. Myakin[1], *[1]Boreskov Institute of Catalysis, Russia, [2]Medical Military Academy, Russia*
[A1.3.07]	J.D.	Jarrell	**Rapid development of photoactive solid state dispersions as biointerfaces for orthopaedic implants** J.D. Jarrell*[1], E.C. Werlin[2], B. Weinstock[2], S.D. Puckett[2], J.R. Morgan[2], D.M. Ciombor[1,2], *[1]VA Center for Restorative and Regenerative Medicine, USA, [2]Brown University, USA*
[A1.3.08]	A.	Osaka	**Self-catalyzed synthesis of amino-modified silica nanoparticles** S. Chen[1], S. Hayakawa[1], K. Tsuru[1,2], Y. Shirosaki[1], A. Osaka*[1], *[1]Okayama University, Japan, [2]Kyushu University, Japan*
[A1.3.09]	A.	Pannier	**Sol-gel immobilized microorganisms (biocers) as biofilters for MTBE removal** A. Pannier*, K. Muschter, U. Soltmann, H. Böttcher, *GMBU e.V., Germany*
[A1.3.10]	S.J.L.	Ribeiro	**New luminescent amidosils from ricinoleic acid and 3-aminopropyltriethoxisilane** K.S. Arruda[1], S.J.L. Ribeiro*[1], Y. Messaddeq[1], L.D. Carlos[2], V.Z. Bermudez[3], E. Pecoraro[2], *[1]Instituto de Química, Brazil, [2]Universidade de Aveiro, Portugal, [3]Universidade de Trás os Montes e alto Douro, Portugal*
[A1.3.11]	M.M.	Silva	**Study of K+-doped biohybrids for electrochromic devices** M. Fernandes[1], V. de Zea Bermudez[1], P.C. Barbosa[2], L.C. Rodrigues[2], M.M. Silva*[2], A. Pawlicka[1], *[1]University of Trás-os-Montes e Alto Douro, Portugal, [2]University of Minho, Portugal, [3]University of São Paulo, Brazil*
[A1.3.12]	U.	Soltmann	**Immobilization of living microalgae within sol-gel matrices for applications in biotechnology** G. Rode, U. Soltmann*, H. Böttcher, *GMBU e.V., Germany*
			Symposium B – Sol-gel
[B1.1.01]	M.	Adam	**Foamed hybrid materials for catalytic applications** M. Adam*, M. Wilhelm, M. Bäumer, G. Grathwohl, *University of Bremen, Germany*
[B1.1.02]	M.	Aparicio	**Hybrid organic-inorganic sol-gel coatings produced from sols with controlled polymerization for corrosion protection of AA2024 alloys** N.C. Rosero-Navarro[1], S.A. Pellice[1,2], Y. Castro[1], A. Durán[1], M. Aparicio*[1], *[1]Instituto de Cerámica y Vidrio, Spain, [2]Instituto de Investigación en Ciencia y Tecnología de Materiales, Argentina*
[B1.1.03]	E.	Baudrin	**Bottom up approach for potentiometric ion sensing: from inorganic to hybrid organic/inorganic materials** E. Baudrin*, N. Dormoy, P. Rouge, M. Benazza, A. Dassonville, P. Sonnet, *Université de Picardie Jules Verne, France*
[B1.1.04]	I.	Bilecka	**Microwave-assisted nonaqueous sol-gel route to metal oxide nanoparticles** I. Bilecka*, M. Niederberger, *ETH Zuerich, Switzerland*
[B1.1.05]	A.	Bleuzen	**Controlled precipitation of photomagnetic russian blue analogue nanoparticles in a silica matrix** G. Fornasieri, P. Durand, A. Bleuzen*, *Université de Paris-Sud, France*
[B1.1.06]	A.	Bock	**Inorganic-organic materials for optical applications** A. Bock*, V. Fodermeyer, T. Pieper, M. Timpel, R. Houbertz, G. Sextl, *Fraunhofer ISC, Germany*
[B1.1.07]	C.	Bodson	**Study of the structure of P-doped TiO2 xerogels in relation with their formation mechanism** C. Bodson*[1], S. Lambert[1], C. Alié[1], X. Cattoën[2], C. Bied[2], J.J.E. Moreaux[2], *[1]Université de Liège, Belgium, [2]Institut Charles Gerhardt Montpellier, France*
[B1.1.08]	S.	Borsacchi	**Multinuclear solid-state NMR study of PE-PEG/PHS/silica hybrid coatings for barrier properties improvement** M. Geppi[1], S. Borsacchi*[1], M. Marini[2], M. Toselli[3], F. Pilati[2], *[1]Università di Pisa, Italy, [2]Università di Modena e Reggio Emilia, Italy, [3]Università di Bologna, Italy*
[B1.1.09]	S.	Borsacchi	**The role of solid-state NMR for the study of organic/inorganic multicomponent materials** M. Geppi, S. Borsacchi*, G. Mollica, C.A. Veracini, *Università di Pisa, Italy*
[B1.1.10]	P.	Boy	**Nanocomposite piezoelectric thick films: Application to high frequency single and arrays transducers** P. Boy*[1], A. Bardaine[1], P. Belleville[1], L. Bianchi[1], G. Férin[2], F. levassort[3], *[1]CEA, France, [2]Vermon SA, France, [3]François Rabelais University, France*
[B1.1.11]	J.M.A.	Caiut	**Modified silicate spheres doped with porphyrins for bio – labels** J.M.A. Caiut*[1,2], A.P. Duarte[1], Y. Messaddeq[1], J. Dexpert-Ghys[2], S. Nakagaki[3], S.J.L. Ribeiro[1], *[1]São Paulo State University, Brazil, [2]Centre d'Elaboration de Materiaux et d'Etudes Structurales, France, [3]Federal University of Paraná, Brazil*
[B1.1.12]	G.	Carbajal de la Torre	**Corrosion study of ceramic and hybrid sol-gel coatings in acid solutions** G. Carbajal de la Torre*[1], I.E. Abraira-Muñoz[1], G. Solorio[1], M.A. Espinosa Medina[2], *[1]Universidad Michoacana de San Nicolas de Hidalgo, Mexico, [2]UMSNH, Mexico, [3]Instituto Mexicano del Petroleo, Mexico*
[B1.1.13]	L.D.	Carlos	**Lanthanide-containing light-emitting organic-inorganic hybrids: A bet on the future** L.D. Carlos*[1], R.A.S. Ferreira[1], V. de Zea Bermudez[2], S.J.L. Ribeiro[3], *[1]University of Aveiro, Portugal, [2]University of Trás-os-Montes e Alto Douro, Portugal, [3]São Paulo State University, Brazil*

[B1.1.14]	X.	Cattoën	**Hybrid materials based on bipyridine ligands for highly luminescent materials** S.S. Nobre[1,2], X. Cattoën*[1], C. Carcel[1], R.A.S. Ferreira[2], L.D. Carlos[2], M. Wong Chi Man[1], *[1]Institut Charles Gerhardt Montpellier, France, [2]University of Aveiro, Portugal*
[B1.1.15]	K.	Cholewa-Kowalska	**Various inorganic-organic hybrid materials as the matrix for organic dyes** M. Laczka[1], K. Cholewa-Kowalska*[1], M. Nocun[1], Z. Olejniczak[2], *[1]AGH-University of Science and Technology, Poland, [2]Polish Academy of Sciences, Poland*
[B1.1.16]	T.M.H.	Costa	**Two-dimensional molecular spaced silica based xerogel material obtained by the presence of amine groups in the layered structure** C.M. da Trindade, G.C. Stoll, C.C. Moro, T.M.H. Costa*, E.V. Benvenutti, *Instituto de Química, Brazil*
[B1.1.17]	T.M.H.	Costa	**Benzothiazole type dye incorporated in silica hybrid xerogels: The influence of the matrix organic content in the ESIPT fluorescence** S.R. Grando, T.M.H. Costa*, F.S. Rodembush, V. Stefani, M.R. Gallas, E.V. Benvenutti, *Federal University of Rio Grande do Sul, Brazil*
[B1.1.18]	G.	Creff	**In situ mechanistic studies of the nanostructuring of hybrid silicas** G. Creff*[1], J.L. Bantignies[1], M. Wong Chi Man[2], *[1]Laboratoire des Colloïdes, Verres et Nanomatériaux, France, [2]Laboratoire Architectures Moléculaires et Matériaux Nanostructurés, France, [3]Groupe de Physique Théorique des Matériaux, Belgium*
[B1.1.19]	O.	Dellea	**UVA laser imprinting of micronic size patterns in epoxy-based hybrid thin films** O. Dellea*[1], C. Lamarle[1], G. Ravel[1], S. Briche[2], M. Langlet[2], *[1]CEA/LITEN, France, [2]LMGP/INPG, France*
[B1.1.20]	C.	Desfours	**Relative stability of hybrid polymers obtained by sol-gel: A link to mechanical resistance** N. Olivi-Tran, S. Calas, P. Etienne, C. Desfours*, *Universite Montpellier II, France*
[B1.1.21]	P.	Fabbri	**Plastic fiber optic pH sensors based on organic-inorganic sol-gel hybrids entrapping sensitive dyes** P. Fabbri*, F. Pilati, L. Rovati, *University of Modena and Reggio Emilia, Italy*
[B1.1.22]	P.	Fabbri	**Organic-inorganic sol-gel hybrid coatings to improve the scratch resistance of plastic substrates** P. Fabbri*[1,3], M. Messori[1,3], M. Toselli[2,3], F. Pilati[1,3], *[1]University of Modena and Reggio Emilia, Italy, [2]University of Bologna, Italy, [3]Italian Consortium for Materials Science and Technology, Italy*
[B1.1.23]	M.	Fernandes	**Sol-gel derived di-urethanesil hybrid doped with europium beta-diketonate complexes** M. Fernandes*[1], S. Nobre[2], M.C. Gonçalves[1], V. de Zea Bermudez[1], R.A.S. Ferreira[2], L.D. Carlos[2], *[1]University of Trás-os-Montes e Alto Douro, Portugal, [2]University of Aveiro, Portugal, [3]Instituto Superior Técnico, Portugal*
[B1.1.24]	M.	Fernandes	**Organic/inorganic hybrids incorporating poly(oxyethylene) chains of variable chain length. I. thermal stability, morphology, structure and photoluminescence** M. Fernandes*[1], V. de Zea Bermudez[1], R.A. Sá Ferreira[2], L.D. Carlos[2], *[1]University of Trás-os-Montes e Alto Dourol, Portugal, [2]University of Aveiro, Portugal*
[B1.1.25]	R.A.S.	Ferreira	**Zirconium modified di-ureasils organic-inorganic hybrids as substrates for waveguide and bragg gratings patterned via direct laser writing and nano imprint lithography** R.A.S Ferreira*[1], C.M.S. Vicente[1], E. Pecoraro[1], P.S. André[1], R. Nogueira[1], N. Wada[2], *[1]University of Aveiro, Portugal, [2]National Institute of Information and Communications Technology, Japan*
[B1.1.26]	R.A.S.	Ferreira	**Organic/inorganic hybrids incorporating poly(oxyethylene) chains of variable chain length. II. doping with europium beta-diketonate complexes** R.A.S. Fereira*[1], S.S. Nobre[1], L.D. Cralos[1], M. Fernandes[2], V. de Zea Bermudez[2], *[1]University of Aveiro, 3810-193 Aveiro, Portugal, [2]University of Trás-os-Montes e Alto Douro, Portugal*
[B1.1.27]	G.	Fornasieri	**Design of photomagnetic nanocomposites: Ordered silica-prussian blue analogue monoliths** G. Fornasieri*, P. Durand, C. Baumier, A. Bleuzen, *Université Paris-Sud, France*
[B1.1.28]	M.	Frigione	**Cold cured epoxy-silica hybrids for use as adhesives** M. Frigione*[1], M. Lettieri[2], L. Mascia[3], L. Prezzi[4], *[1]Università del Salento, Italy, [2]C.N.R. - Istituto per i Beni Archeologici e Monumentali, Italy, [3]Loughborough University, UK, [4]SAFE Marine Nanotechnologies, Italy*
[B1.1.29]	M.R.	Gallas	**ESIPT fluorescent sol-gel powders and high-pressure compacts of silica containing benzimidazole type dye** H.S. Hoffmann, U.A. Kober, G.R. Rodrigues, T.M.H. Costa, M.R. Gallas*, E.V. Benvenutti, *Federal University of Rio Grande do Sul, Brazil*
[B1.1.30]	M.R.	Gallas	**Carbon nanotube/alumina nanocomposite obtained by sol-gel method and high-pressure technique** P.R. Silva, G.R. Rodrigues, T.M.H. Costa, M.R. Gallas*, *Federal University of Rio Grande do Sul, Brazil*
[B1.1.31]	D.	Grosso	**Ordered heterogeneous inorganic/inorganic nano patterns (INP) and novel multifunctional nanoporous surfaces** D. Grosso*, M. Kuemmel, C. Boissiere, J. Allouche, C. Sanchez, *UPMC, France*

[B1.1.32]	M.	Han	**Preparation and characterization of hybrid coatings containing functional groups and their uses in corrosion protection on iron** M. Han*, J. Mang, *Korea Research Institute of Chemical Technology, Korea*
[B1.1.33]	U.	Helbig	**Encapsulation of phase-change materials for energy storage applications** U. Helbig*[1,2], A. Punnoose[2], G. Sextl[1,2], D. Platte[2], M. Timpel[2], R. Houbertz[1], *[1]Fraunhofer ISC, Germany, [2]Universität Würzburg, Germany*
[B1.1.34]	P.	Innocenzi	**Self-organized nanocrystalline organosilicates in organic-inorganic hybrid films** P. Innocenzi*[1], M. Takahashi[1], M. Casula[3], C. Figus[1], M. Valentini[4], S. Enzo[1], *[1]University of Sassari, Italy, [2]Kyoto University, Japan, [3]University of Cagliari, Italy, [4]CRA, Italy*
[B1.1.35]	L.	Mazzocchetti	**Organic-inorganic phase interactions in polyester/polycarbonate-transition metal oxide hybrids** L. Mazzocchetti*, E. Cortecchia, M. Scandola, *University of Bologna, Italy*
[B1.1.36]	M.	Messori	**Isoprene rubber reinforced with in-situ generated silica** F. Bignotti[2], R. De Santis[2], P. Fabbri[1], M. Messori*[1], F. Pilati[1], R. Taurino[1], *[1]University of Modena and Reggio Emilia, Italy, [2]University of Brescia, Italy, [3]NIPLAB INSTM Reference Center, Italy*
[B1.1.37]	Z.	Moravec	**Synthesis and structural characterization of new molecular aluminum and yttrium phosphates and phosphonates** Z. Moravec*[1], J. Chyba[1], M. Necas[1], S. Mathur[2], J. Pinkas[1], *[1]Masaryk University, Czech Republic, [2]University of Cologne, Germany*
[B1.1.38]	S.	Parola	**Organized silver nanoparticles in mesostructured silica and titania films** L. Bois[1], F. Chassagneux[1], F. Bessueille[1], Y. Battie[2], N. Destouches[2], S. Parola*[1], *[1]University Lyon 1, France, [2]University Jean Monnet, France, [3]CEA/DEN, France*
[B1.1.39]	S.	Parola	**Hybrid materials and non linear absorption: Influence of the structure and interactions at the molecular level** C. Desroches[1], S. Parola*[1], B. Eliasson[2], M. Lindgren[3], F. Chaput[1], C. Lopes[4], *[1]University Lyon 1, France, [2]University Umea, Sweden, [3]University Trondheim, Norway, [4]FOI, Sweden*
[B1.1.40]	J.	Pinkas	**Synthesis and structural characterization of new molecular titanium and zirconium alkoxide phosphates** J. Chyba[1], M. Necas[1], S. Mathur[2], J. Pinkas*[1], *[1]Masaryk University, Czech Republic, [2]University of Cologne, Germany*
[B1.1.41]	C.	Rodriguez Abreu	**Hybrid dye-inorganic nanocomposites using self-organizing structures** C. Rodriguez Abreu*[1], G. Tiddy[2], *[1]Instituto de Química Avanzada de Cataluña, Spain, [2]University of Manchester, UK*
[B1.1.42]	G.	Sandoval-Robles	**BTX photocatalytic gaseous phase continuous oxidation with Pt-TiO2 deposited in glass spheres by sol-gel method** G. Sandoval-Robles*[1], O. Gonzalez-Paredes[1], C. E. Ramos-Galvan[1], R. Garcia-Alamilla[1], A. Melo-Banda[1], J.M. Dominguez[2], *[1]Instituto Tecnologico de CD. Madero, Mexico, [2]Instituto Mexicano del Petroleo, Mexico*
[B1.1.43]	K.M.	Schreck	**Photopolymerized organic/inorganic hybrid thiol-ene composites** K.M. Schreck*[1], T.Y. Lee[1,2], C.N. Bowman[1], *[1]University of Colorado-Boulder, USA, [2]DSM Desotech, USA*
[B1.1.44]	B.	Todorova	**Synthesis of monodispersed titanium oxide nanoparticles in dimethylformamide media** B. Todorova*[1], H. Terrisse[1], M. Richard-Plouet[1], L. Brohan[1], *[1]Institut des Matériaux Jean Rouxel, France*
[B1.1.45]	V.	Tomkute	**Synthesis and characterization of modified silica coatings for biotechnological applications** V. Tomkute*, A. Beganskiene, A. Kareiva, *Vilnius University, Lithuania*
[B1.1.46]	G.	Triani	**Synthesis and Characterisation of Nanohybrid Materials Using Novel Titanium Precursors** Y. Gao, G. Arrachart, D. Cassidy, I. Karatchevtseva, G. Triani*, *Institute of Materials Engineering, ANSTO, Australia*
[B1.1.47]	S.	Umetani	**Molecularly imprinted sol-gel materials for the separation of metal ions** S. Umetani*, Y. Taguchi, T. Okabe, Y. Sohrin, *Kyoto University, Japan*
[B1.1.48]	M.	Wong Chi Man	**Hybrid silica via sol-gel process: General method for preparation of recoverable and reusable catalysts** C. Bied[1], M. Trilla[2], X. Elias[2], R. Pleixats[2], M. Wong Chi Man*[1], J. Moreau[1], *[1]ENSCM, France, [2]Univertitat Autonoma de Barcelona, Spain*
[B1.1.49]	M.T.	Zainuddin	**Micropatterning of organic-inorganic hybrid sol gel film with incorporation of chelated titanium alkoxides for fabrication of intergrated optical circuits** M.T. Zainuddin*, H. Hashim, N.M.A. Nik Abdul Aziz, S.A. Abdul Aziz Nazri, A. Isnin, M.A. A Malek, *SIRIM Berhad, Malaysia*
[B1.1.50]	D.	Zare-Hossien Abadi	**Nanocomposite hybrid coatings for corrosion protection of copper with zirconia and ceria nanoparticles** D. Zare-Hossien Abadi*, A. Ershad- langroudi, A. Rahimi, *Iran Polymer and Petrochemical Institute, Iran*
[B1.1.51]	V.P.	Zubov	**Organic-inorganic hybrid hydrogels: Synthesis, structure and properties** V.P. Zubov*, I.V. Bakeeva, A.N. Ozerin, *Lomonosov Moscow State Academy of Fine Chemical Technology, Russia*

Symposium C - Mesoporous Materials			
[C1.1.01]	P.C.	Angelomé	**Mesoporous hybrid thin films: From one pot synthesis to selective membranes** P.C. Angelomé*[1], A. Calvo[1], P.Y. Steinberg[1], F.J. Williams[2], G.J.A.A. Soler Illia[1], *[1]GQ - CAC - CNEA, Argentina, [2]DQIAQF - FCEyN - UBA, Argentina*
[C1.1.02]	M.K.	Aroua	**Physical and chemical modification of palm shell activated carbon for the selective adsorption of carbon dioxide** M.K. Aroua*[1], W.M.A. Wan Daud[1], S.H. Khalil[1], M.A. Ahmad[2], *[1]University of Malaya, Malaysia, [2]University of Sciences, Malaysia*
[C1.1.03]	S.M.	Banihashemian	**A new method for nano porous silicon formation using electro chemical etching and e-beam evaporation of platinum and molybdenum** S.M. Banihashemian*[1], H. Hajgassem[2], A. Erfanian[3], A.R. Aliahmadi[3], M. Mohtashamifar[3], N. Mahmoudikatir[4], *[1]Islamic Azad University Qombranch, Iran, [2]Shahid Beheshti University, Iran, [3]K.N.Toosi University, Iran, [4]University Malaya, Malaysia*
[C1.1.04]	M.	Barboiu	**Dynamic hybrid materials for constitutional self-instructed devices** Y. Leduc, S. Mihai, M. Barboiu*, *Institut Europeen des Membranes, France*
[C1.1.05]	A.	Bendjeriou	**New heterogeneous multifunctional Pd-catalysts for the one pot synthesis of subsituted heterocycles** A. Bendjeriou*[1], M. Genelot[2], N. Batail[2], T. Lomberget[3], R. Barret[3], V. Dufaud[1], *[1]Ecole Normale Supérieure de Lyon, France, [2]Institut de Recherches sur la catalyse et l'Environnement de Lyon, France, [3]Laboratoire de Chimie Thérapeutique, France*
[C1.1.06]	D.	Ben-Jazia	**Free impregnation of model porous media by water/ethanol mixtures: Application to the controlled dispersion of inorganic nanoparticles in an organic matrix** D. Ben-Jazia*[1], L. Vonna[1], Y. Holl[2], H. Haidara[1], *[1]Institut de Chimie des Surfaces et Interfaces, France, [2]Institut Charles Sadron, France*
[C1.1.07]	E.	Bloch	**Ag@SiO2 nanocomposites: An example of functional materials for the detection of molecules in gas and liquid phases** E. Bloch*[1], P.L. Llewellyn[1], V. Hornebecq[1], *[1]Laboratoire Chimie Provence, France, [2]Institut Fresnel, France*
[C1.1.08]	E.	Bottinelli	**A photoactive hybrid material based on Ru complex in mesoporous MCM-41** E. Bottinelli*, I. Miletto, G. Caputo, S. Coluccia, E. Gianotti, *Univerity of Torino, Italy*
[C1.1.09]	M.	Boucharef	**Solution-processed solid-state dye-sensitized solar cells based on ZnO** M. Boucharef*[1,2], J. Bouclé[1], B. Ratier[1], *[1]University of Limoges, France, [2]Mentouori University, Algeria*
[C1.1.10]	L.	Pasechnik	**Dynamic electrophysical characterization of nano- and mesoporous media under fast humidity impact** S.L. Bravina[1], N.V. Morozovsky[1], E.G Khaikina[2], L. Pasechnik*[3], R. Boukherroub[4], E. Dogheche[5], *[1]NAS of Ukraine, Ukraine, [2]RAS, Russia, [3]National Polytechnical University of Ukraine, Ukraine, [4]Interdisciplinary Research Institute, IRI, IEMN-IRI, France, [5]IEMN – DOAE – MIMM Team, CNRS - UMR, France*
[C1.1.11]	D.W.	Brousmiche	**High carbon content, porous organic/inorganic hybrid materials by simultaneous condensation/radical polymerization** D.W. Brousmiche*, N.L. Lawrence, K.H. Glose, J.T. Cook, C. Hudalla, K.D Wyndham, *Waters Corporation, USA*
[C1.1.12]	D.	Brühwiler	**Control and analysis of the functional group distribution on postsynthetically modified mesoporous silica** H. Ritter[1] J.H. Ramm, N. Gartmann, D. Brühwiler*, *University of Zürich, Switzerland*
[C1.1.13]	D.	de Jesus Lima Guerra	**Anchored thiol smectite clay - kinetic and thermodynamic studies of divalent copper and cobalt adsorption** D. de Jesus Lima Guerra*[1], C. Airoldi[2], R. Ribeiro Viana[1], *[1]Universidade Federal de Mato Grosso, Brazil, [2]Universidade Estadual de Campinas, Brazil*
[C1.1.14]	L.C.	de Menorval	**Mesoporous materials from natural silicate sources** A Rivera[1], A.M. Martinez[1], L.C. de Menorval*[2,1], A.R. Ruiz-Salvador[1], *[1]University of Havana, Cuba, [2]Université Montpellier II, France*
[C1.1.15]	J.	Desmer	**Highly ordered silica mesoporous matrix for the design of sensitive and selective nanosensors for the detection of mercuric ions** J. Desmet*, N. Nivarlet, B.L. Su, *University of Namur, Belgium*
[C1.1.16]	M.C.A.	Fantini	**The use of SBA-15 ordered mesoporous silica as immunological adjuvant** F. Mariano Neto[1], M.C.A. Fantini*[1], L.V. Carvalho[2], O.A. Sant´Anna[2], J.R. Matos[1], L.P. Mercuri[3], *[1]USP, Brazil, [2]Butantan Institute, Brazil, [3]UNIFESP, Brazil*
[C1.1.17]	M.	Feuillade	**Periodically organized mesoporous thin films in ophthalmic applications** M. Feuillade, *Essilor International, France*
[C1.1.18]	T.	Fröschl	**Synthesis of mesoporous zirconium oxide via an ethylene glycol-modified zirconium precursor** T. Fröschl*, N. Hüsing, *Ulm University, Germany*
[C1.1.19]	N.	Furuya	**Silicagel manufactured by electrolysis** N. Furuya, *University of Yamanashi, Japan*
[C1.1.20]	S.	Gandh	**Synthesis of novel biocompatible & biodegradable polyesters using mesoporous catalyst** U.M. Krishnan, S. Gandhi*, *SASTRA University, India*
[C1.1.21]	C.	Gérardin	**Influence of the composition of the guest entities on the properties of LDH**

			nanocomposites used as precursors of metal supported and basic catalysts D. Tichit[1], C. Gérardin*[1], D. Kostadinova[1], R. Chebout[1], E. Ramirez[2], I. Cota[2], *[1]ICG Montpellier, France, [2]Universidad Rovira i Virgili, Spain*
[C1.1.22]	A.	Grandjean	**Synthesis of ruthenium dioxide nanoparticles within mesoporous silicate glass** A. Tokarev[1], J. Larionova[1], Y. Guari[1], A. Grandjean*[2], *[1]Institut Charles Gerhardt, France, [2]Institut de Chimie Séparative de Marcoule, France*
[C1.1.23]	D.	Grosso	**Spray-dring process: A one step synthesis towards easy industrial production of new large pores, highly active and mesostructured aluminosilicate catalysts** C. Boissiere[1], S. Pega[1], D. Grosso*[1], A. Chaumonnot[1,2], C. Sanchez[1], *[1]UPMC, France, [2]IFP, France*
[C1.1.24]	E.M.	Guerra	**Characterization and electrochemical study of the poly o-methoxyaniline and poly(ethylene oxide) into mesostructured V2O5** E.M. Guerra*, H.P. Oliveira, *FFCLRP-USP, Brazil*
[C1.1.25]	E.M.	Guerra	**Effect of mesoporosity of vanadium oxide as cathodic material during Li+ insertion/deinsertion** E.M. Guerra*[1], D.T. Cestarolli[2], H.P. Oliveira[1], *[1]Universidade de São Paulo, Brazil, [2]Universidade Federal de São João Del Rey, Brazil*
[C1.1.26]	H.W.	Ha	**Application of mesoporous metal oxide-layered titanate nanohybrids as anode materials for lithium-ion batteries** H.W. Ha*, I.Y. Kim, S.J. Hwang, *Ewha Womans University, Korea*
[C1.1.27]	I.	Hierro	**Asymmetric epoxidation of cinnamyl alcohol on titanium-triazine based MCM-41 hybrid material** I. Hierro*, R. Ballesteros, I. Sierra, M. Fajardo, *Universidad Rey Juan Carlos, Spain*
[C1.1.28]	C.H.	Huang	**Controlled microstructures of highly ordered mesoporous C-TiO2 hybrid materials via EISA process** C.H. Huang*[1], D.Y. Zhao[2], R.A. Doong[1], *[1]National Tsing Hua University, Taiwan, [2]Fudan University, China*
[C1.1.29]	Y.	Ide	**Synthesis of Au nanoparticle in a layered titanate modified with (3-mercaptopropyl)trimethoxysilane** Y. Ide*, M. Ogawa, *Waseda University, Japan*
[C1.1.30]	G.	Ingavle	**High internal phase emulsion: A novel route to synthesis of highly porous poly (2-hydroxyethyl methacrylate) in monolithic and beaded form at ambient temperature** G. Ingavle*, T. Ponrathnam, S. Ponrathnam, *National Chemical Laboratory, India*
[C1.1.31]	P.	Innocenzi	**Aggregation states of rhodamine 6G in mesostructured silica films** P. Innocenzi*[1], R. Aiello[2], L. Malfatti[1], D. Aielo[2], T. Kidchob[1], *[1]University of Sassari, Italy, [2]University of Calabria, Italy*
[C1.1.32]	M.	Intissar	**Substitution effect of divalent cation into (Cu1-xMgxAl – CO3) LDH material** M. Intissar*[1], A. Seron[2], F. Giovannelli[3], M. Motelica[1], F. Delorme[2], *[1]ISTO, France, [2]BRGM, France, [3]LEMA, France*
[C1.1.33]	K.	Kakiage	**Chemical surface modification of nano-porous alumina membrane by organosilicon compound for functional filter** K. Kakiage*, M. Yamamura, T. Kyomen, M. Unno, M. Hanaya, *Gunma University, Japan*
[C1.1.34]	A.	Karimi	**Use of enzyme as a structure directing agent in preparation of nano-porous silica** A. Karimi*, S.M. Mosavi, *University of Tabriz, Iran*
[C1.1.35]	S.	Kaskel	**Organic-inorganic polymer precursors for the synthesis of porous and nanostructured silicon carbide materials** S. Kaskel, *Technical University Dresden, Germany*
[C1.1.36]	H.	Kim	**Titania nanocomposite membranes via electrospinning and their photocatalytic activities** D.J.G. Satur, H. Kim*, *Myongji University, Korea*
[C1.1.37]	N.	Lawrence	**Pseudomorphic transformation of hybrid organic/inorganic particles** N. Lawrence*, K. Wyndham, *Waters Corporation, USA*
[C1.1.38]	V.	Le Nader	**SERS substrates from nano-porous membranes: Synthesis, characterization and modelling** V. Le Nader*, J.Y. Mevellec, T. Makiabadi, G. Louarn, *Institut des Matériaux Jean Rouxel, France*
[C1.1.39]	C.M.	Leroy	**Photocatalytic properties of TiO2:Eu3+ mesoporous thin films** C.M. Leroy*[1], M. Treguer-Delapierre[1], T. Cardinal[1], R. Backov[2], F. Pellé[3], C. Sanchez[3], *[1]ICMCB, France, [2]CRPP, France, [3]LCMCP, France*
[C1.1.40]	F.	Li	**Mesoporous NiO-Al2O3 mixed metal oxides prepared by a hybrid precursor and catalytic property for decomposition of ammonium perchlorate** X. Xiang, H. Wang, F. Li*, *Beijing University of Chemical Technology, China*
[C1.1.41]	J.P.	Lukaszewicz	**Fabrication of nanoporous molecular sieves** A. Cyganiuk, J.P. Lukaszewicz*, *Nicholas Copernicus University, Poland*
[C1.1.42]	S.A.	Lushnikov	**Synthesis of particularly amorphous CeNi3 intermetallic hydrides** S.A. Lushnikov, *MSU, Russia*

[C1.1.43]	M.A.U.	Martines	**Effect of silica surface on luminescence properties of Tb3+-glutamic acid** J. Jorge[1], J.M.A. Caiut[1,2], L.A. Rocha[1,2], J. Dexpert-Ghys[2], M. Verelst[2], M.A.U. Martines*[1], *[1]Sao Paulo Satate University, Brazil, [2]Centre d'Elaboration de Matériaux et d'Etudes Structurales, France*
[C1.1.44]	M.A.U.	Martines	**Luminescence properties of europium complexes with 1,10-phenantroline impregnated into channels of mesoporous silica** L.F. Saliba, G.R. Castro, M.A.U. Martines*, *São Paulo State University, Brazil*
[C1.1.45]	V.	Martínez Martínez	**Application of absorption and fluorescence with polarized light to study organized layered systems: Dye/clay films** V. Martínez Martínez*, S. Salleres, I. López Arbeloa, F. López Arbeloa, *Universidad del Pais Vasco UPV/EHU, Spain*
[C1.1.46]	A.R.	Mirhabibi	**An attempt to preparation of mesoporous Mo2N nano crystalline for catalytic reaction** M. Saeidpour[1], R. Aghababazadeh[2,3], A.R. Mirhabibi*[1], *[1]Iran University of Science and Technology, Iran, [2]Iran Composite Insitute, Iran, [3]Institute for Colorants, Paint and Coatings, Iran*
[C1.1.47]	J.	Möller	**New template synthesis of mesoporous hydroxyapatite materials for controlled protein release** J. Möller*, P. Dibandjo, R. Gadiou, K. Anselme, C. Vix-Guterl, *Institut de Chimie des Surfaces et Interfaces, France*
[C1.1.48]	J.	Mona	**Exploring porous polymeric slime structures for possible drug-delivery applications** S.N. Kale, J. Mona*, A. Jadhav, S.L. Laware, S. Hatamy, *Fergusson College, India*
[C1.1.49]	F.	Martínez	**Acid-modified organic-inorganic hybrid materials via atom transfer radical grafting of oligostyrensulfonic acid onto mesostructured SBA-15 surfaces** G. Morales[1], P.A.G. Cormack[2], A. Martín[1], F. Martínez*[1], R. van Grieken[1], *[1]Universidad Rey Juan Carlos, Spain, [2]Strathclyde University, UK*
[C1.1.50]	N.	Nishi	**Mesoporous carbon nano-dendrites with graphitic ultra-thin walls and their application to supercapacitor electrodes** N. Nishi*[1], S. Numao[1], K. Judai[1], J. Nishijo[1], K. Mizuuchi[2], *[1]Institute for Molecular Science, Japan, [2]Carbon Materials Laboratories Nippon Steel Chemical Co. Ltd, Japan*
[C1.1.51]	N.	Numao	**Metal impregnation in mesoporous carbon nano-dendrites with graphitic ultra-thin walls** N. Numao*[1], J. Nishijo[1], K. Judai[1], K. Mizuuchi[2], N. Nishi[1], *[1]Institute for Molecular Science, Japan, [2]Nippon Steel Chemical Co.Ltd, Japan*
[C1.1.52]	M.C.	Orilall	**One-pot synthesis of electrocatalyst nanoparticles incorporated inside highly crystalline mesoporous transition metal oxides for fuel cell applications** M.C. Orilall*, U. Wiesner, *Cornell University, USA*
[C1.1.53]	G.	Orsini	**Mesoporous tungsten oxide by a straightforward sol-gel route: Surface area, structure and electrical properties** G. Orsini*, V. Tricoli, *University of Pisa, Italy*
[C1.1.54]	R.	Palacios	**P3HT micro- and nanostructures using ordered porous templates** R. Palacios*[1], A. Santos[1], P. Formentín[1], T. Trifonov[2], R. Alcubilla[2], J. Pallarés[1], *[1]Universitat Rovira i Virgili, Spain, [2]Universitat Politècnica de Catalunya, Spain*
[C1.1.55]	L.	Pasechnik	**Dynamic electrophysical characterization of nano- and mesoporous media under fast humidity impact** S. Bravina[1], N. Morozovsky[1], E. Khaikina[2], L. Pasechnik*[3], R. Boukherroub[4], E. Dogheche[5], *[1]NAS of Ukraine, Ukraine, [2]Baikal Institute of Nature Management, Russia, [3]National Polytechnical University of Ukraine, Ukraine, [4]Interdisciplinary Research Institute, France, [5]Cité Scientifique USTL, France*
[C1.1.56]	A.	Pauletti	**Porous silicon oxycarbide (SiCO) glasses from periodic mesoporous organosilicas (PMOs)** A. Pauletti*, C. Fernandez-Martin, C. Gervais, D. Grosso, C. Boissière, F. Babonneau, *Université Pierre et Marie Curie, France*
[C1.1.57]	A.	Perdigon	**Novel porous clay heterostructure from highly charged mica: Synthesis and characterization** D. Li, A. Perdigon*, F. Gonzalez, C. Blanco, C. Pesquera, *University Cantabria, Spain*
[C1.1.58]	D.	Pérez-Quintanilla	**Preparation and characterization of a new inorganic-organic hybrid material based on SBA-15 for Zn(II) adsorption in water samples** D. Pérez-Quintanilla*, A. Sánchez, M. Fajardo, I. del Hierro, I. Sierra, *Universidad Rey Juan Carlos, Spain*
[C1.1.59]	L.A.	Rocha	**Silica coated rhodamine-B containing mesoporous SiO2 particles** L.A. Rocha*[1,2], J. do C. Freiria[2], S.J.L. Ribeiro[1], Y. Messaddeq[1], M.A.U. Martines[1], J. Dexpert-Ghys[2], *[1]São Paulo State University, Brazil, [2]Centre d'Elaboration de Matériaux et d'Etudes Structurales / CNRS, France*
[C1.1.60]	J.M.	Rosenholm	**Porous hybrid silica nanoparticles with tunable surface charge for targeting applications** J.M. Rosenholm*[1], A. Meinander[1,2], E. Peuhu[1,2], J.E. Eriksson[1], C. Sahlgren[1], M. Lindén[1], *[1]Abo Akademi University, Finland, [2]University of Turku, Finland*
[C1.1.61]	E.	Rossinyol	**Electrical and magnetic properties of mesoporous NiO and Co3O4** M. Cabo, E. Pellicer, E. Rossinyol*, O. Castell, M.D. Baro, *Universitat Autonoma de Barcelona, Spain*

[C1.1.62]	L.	Samiee	**Effect of sol treatment on the TiO2 mesostructure prepared by copolymer tempelating** L. Samiee*[1,2], A. Beitollahi[1], M.M. Akbarnejad[2], N. Faal Nazari[1], *[1]Iran University of Science and Technology, Iran, [2]Iran's Research Institute of Petroleum Industry, Iran*
[C1.1.63]	A.	Sánchez	**Development of carbon paste electrodes modified with hybrid mesoporous materials: A comparative study for voltammetric analysis of lead** A. Sánchez*, S. Morante-Zarcero, M. Fajardo, I. del Hierro, I. Sierra, *Universidad Rey Juan Carlos, Spain*
[C1.1.64]	J.R.	Sánchez-Valencia	**Light processing of nanoporous semiconducting oxides for the fabrication of optically active thin films** J.R. Sánchez-Valencia*[1], A. Borrás[1,2], V.J. Rico[1], S. Hamad[1], A. Barranco[1], J.P. Espinós[1], *[1]Instituto de Ciencia de Materiales de Sevilla, Spain, [2]Nanotech@surfaces Laboratory, Switzerland*
[C1.1.65]	A.	Sayari	**Effect of pore expansion and amine functionnalization of mesoporous silica on CO2 adsorption over a wide range of conditions** Y. Belmabkhout, A. Sayari*, *University of Ottawa, Canada*
[C1.1.66]	A.	Seron	**Formation mechanism of quintinite (Mg4Al2(OH)12CO3.3H2O LDH)** A. Seron*, P. Galle-Cavalloni, F. Delorme, *BRGM, France*
[C1.1.67]	S.P.	Shylesh	**Oxodiperoxo molybdenum modified organic-inorganic hybrid mesoporous materials for selective epoxidation reactions** S.P. Shylesh*, W. Thiel, *Technical University of Kaiserslautern, Germany*
[C1.1.68]	I.	Sierra	**Design of hybrid materials for heavy metals adsorption in aqueous media** I. Sierra*, D. Pérez-Quintanilla, A. Sánchez, M. Fajardo, I. del Hierro, *Universidad Rey Juan Carlos, Spain*
[C1.1.69]	M.	Simion	**Porous silicon layer for protein immobilization** M. Simion*[1], M. Miu[1], L. Ruta[2], I. Kleps[1], A. Bragaru[1], T. Ignat[1], *[1]National Institute for Research and Development in Microtechnologies, Romania, [2]Bucharest University, Romania, [3]DDS Diagnostic Bucharest, Romania*
[C1.1.70]	G.	Smeulders	**In-depth study of rapid microwave-assisted synthesis of benzene bridged PMOs, allowing an improved economical synthesis pathway** G. Smeulders*, V. Meynen, G. Van Baelen, B.U.W. Maes, G. Van Tendeloo, P. Cool, *University of Antwerpen, Belgium*
[C1.1.71]	M.	Sohmiya	**Photoluminescence luorine of Tris(2,2'-bipyridine)ruthenium(II) cation ([Ru(bpy)3]2+) adsorbed in al containing mesoporous silica** M. Sohmiya*, M. Ogawa, *Waseda University, Japan*
[C1.1.72]	E.M.B.	Sousa	**Synthesis of mesoporous boron nitride using SBA-15 as a template for cosmetic application** E.M.B. Sousa*, L.M.S. Ansaloni, *Centro de Desenvolvimento da Tecnologia Nuclear, Brazil*
[C1.1.73]	A.	Sousa	**Preparation of poly(N-isopropylacrylamide)-silica hybrid: Influence of mesoporous structure type on nanocomposite hybrid formation** E.M.B. Sousa[1], R.G. Sousa[2], B.F.W. Marinho[1,2], I.A. Pimenta[1,2], A. Sousa*[1,2], *[1]Centro de Desenvolvimento da Tecnologia Nuclear, Brazil, [2]Universidade Federal de Minas Gerais, Brazil*
[C1.1.74]	K.C.	Souza	**In-situ formation of magnetite nanoparticles into the [SBA-15/P(N-iPAAm)] hybrids for DDS** E.M.B. Sousa[1], N.D.S. Mohallem[2], R.G. Sousa[2], A. Sousa[1,2], K.C. Souza*[1,2], *[1]Centro de Desenvolvimento da Tecnologia Nuclear, Brazil, [2]Unirversidade Federal Minas Gerais, Brazil*
[C1.1.75]	V.N.	Stathopoulos	**Preparation – characterization of layered double hydroxides derived porous spherical agglomerates and their application as environmental adsorbents** V.N. Stathopoulos*[1,2], A. Papandreou[1], D. Kanellopoulou[1], *[1]Ceramics and Refractories Technological Development Company, Greece, [2]Technical Institute of Chalkida, Greece*
[C1.1.76]	K.	Svitlana	**Preparation of barium titanate in inorganic porous matrices** K. Svitlana*, S. Volodymyr, Z. Valery, *NAS of Ukraine, Ukraine*
[C1.1.77]	M.	Takahishi	**Photo-active property of mesoporous silica for reduction of volatile organic compounds** M. Takahishi*, J. Tani, H. Kido, *Osaka Municipal Technical Research Institute, Japan*
[C1.1.78]	R.	Trujillano	**Functionalization of the interlayer region of kaolinite with pyridine-carboxylic acids** E.H. de Faria[1], O.J. Lima[1], K.J. Ciuffi[1], E.J. Nassar[1], M.A. Vicente[2], R. Trujillano*[2], *[1]Universidade de Franca, Brazil, [2]Universidad de Salamanca, Spain*
[C1.1.79]	A.N.	Vasiliev	**Complexes of heavy metals with organic ligands immobilized on silica gel** A.N. Vasiliev*[1], L.V. Golovko[2], V.V. Trachevsky[3], J.G. Khinast[4], *[1]East Tennessee State University, USA, [2]Institute of Bioorganic Chemistry and Petrochemistry, Ukraine, [3]Technical Center of the National Academy of Sciences of Ukraine, Ukraine, [4]Graz University of Technology, Austria*
[C1.1.80]	I.	Vida-Simiti	**Sintered porous materials with structural gradient obtained by powders sedimentation** I. Vida-Simiti*, N. Jumate, N. Sechel, *Technical University of Cluj-Napoca, Romania*
[C1.1.90]	C.H.	Walsh	**Ellipsometry porosimetry: Fast and non destructive morphological and chemical characterization of porous thin films** A Bourgeois, C.H. Walsh*, C.H. Defranoux, *sopra, France*

[C1.1.91]	Y.	Wan	**Hybrid ordered mesoporous silicas and carbons: Tiblock-copolymer-templating synthesis and applications in green chemistry** X. Qian, H. Wang, C. Feng, X. Zhuang, Y. Wan*, *Shanghai Normal Univerisity, China*
[C1.1.92]	J.	Yan	**Fabricating ordered and interconnected nanopores of anodic luorine oxide** J. Yan, *Eastern New Mexico University, USA*
[C1.1.93]	N.P.	Yevlampieva	**Structural specificity of gas permeable silicon-containing polynorbornenes** N.P. Yevlampieva*[1], M.A. Gringolts[2], I.I. Zaitseva[1], O.V. Okatova[3], E.I. Rjumtsev[1], *[1St. Petersburg State University, Russia, [2]A.V.Topchiev Institute of Petrochemical Synthesis RAS, Russia, [3]Institute of Macromolecular Compounds, Russia*
Symposium C – Sol-gel			
[C1.2.01]	A.	Arenillas	**Evaluation of MgH2/Ni-doped carbon composites as an alternative system for hydrogen storage** L. Zubizarreta[1], A. Arenillas*[1], H.L. Corso[2], M.S. Moreno[2], J.J. Pis[1], *[1]INCAR-CSIC, Spain, [2]CAB-CNEA, Argentina*
[C1.2.02]	C.	Bodson	**Synthesis of Ag/TiO2 hybrid photocatalysts by sol-gel process with new P-alkoxide functionalized ligands** S. Lambert[1], C. Bied[2], C. Bodson*[1], C. Alie[1], X. Cattoen[2], B. Heinrichs[1], *[1]University of Liege, Belgium, [2]CNRS-ENSCM Montpellier, France*
[C1.2.03]	J.C.	Echeverría	**Hybrid silica materials for optical-fibre sensors to detect volatile organic compounds** J.C. Echeverría*, X. Ríos, P. de Vicente, J. Estella, J.J. Garrido, *Universidad Pública de Navarra, Spain*
[C1.2.04]	T.	Eckardt	**A design toolbox for tailored silica gels** A. Siegel, T. Eckardt*, *BASF Catalysts Germany GmbH, Germany*
[C1.2.05]	R.C.	Evans	**Luminescent luorine-based conjugated polyelectrolytes in sol-gels for sensor applications** R.C. Evans*[1,2], H.D. Burrows[1], L.D. Carlos[2], S.M. Fonseca[1], U. Scherf[3], Y. Shchipunov[4], *[1]University of Coimbra, Portugal, [2]University of Aveiro, Portugal, [3]Bergische Universität Wuppertal, Germany, [4]Russian Academy of Science, Russia*
[C1.2.06]	J.	Heimink	**Spray dried silica gels as carriers for drugs of low solubility** J. Heimink*[1,2], P. Sieger[3], H. Koller[1,2], *[1]Westfälische Wilhelms-Universität Münster, Germany, [2]International NRW Graduate School of Chemistry, Germany, [3]Boehringer Ingelheim Pharma GmbH & Co. KG, Germany*
[C1.2.07]	H.S.	Kim	**Fabrication of silica gel impregnated ceramic sheet using water glass and TEOS (tetraethyl orthosilicate) by reaction with sulphuric acid** H.S. Kim*, J.Y. Jung, S.O. Han, Y.J. Yoo, *KIER, Korea*
[C1.2.08]	Y.	Kodera	**Phase separation in silica sol-gel system containing polyoxyethylene alkyl ether** Y. Kodera*, K. Kanamori, K. Nakanishi, T. Hanada, *Kyoto University, Japan*
[C1.2.09]	G.	Kuncova	**The influence of immobilization into silica matrix on response of optical whole-cell biosensors** G. Kuncova*[1], J. Trogl[2], P. Gavlasova[3], S.A. Ripp[4], G.S. Sayler[4], *[1]Institute of Chemical Process Fundamentals v.v.i. ASCR, Czech Republic, [2]University in Ústí nad Labem, Czech Republic, [3]Laboratory for Medical Diagnostics, Czech Republic, [4]University of Tennessee, USA*
[C1.2.10]	T.G.F.R.H.	Léonard	**Conception of photonic crystals based on opals and inverse opals** T.G.F.R.H. Léonard*, F.P.A.J. Piret, B.L. Su, *University of Namur, Belgium*
[C1.2.11]	E.	Lima	**Photosensitizing properties of carminic acid immobilized on different inorganic substrates** E. Lima*[1], P. Bosch[2], *[1]Universidad Autonoma Metropolitana, Mexico, [2]Instituto de Investigaciones en Materiales UNAM, Mexico*
[C1.2.12]	L.A.	Meghani	**Novel functional polymeric porous materials for sensing applications** L.A. Meghani*, C.C. Egger, *Keele University, UK*
[C1.2.13]	S.	Metz	**Functional microporous hollow fiber membranes based on inorganic-organic hybrid polymers (ORMOCER®s)** S. Metz*, T. Ballweg, W. Storch, K.H. Haas, *Fraunhofer-Institut für Silicatforschung, Germany*
[C1.2.14]	F.	Mirjalili	**Preparation of nano alpha alumina particles through the sol-gel method** F. Mirjalili*[1,3], H. Mohamad[2], L.C. Abdullah[3], R. Aghababazadeh[4], F.R. Ahmadun[3], D. Biak[3], *[1]Maybod Islamic Azad University, Iran, [2]University Sains, Malaysia, [3]University Putra, Malaysia, [4]Institute for Colorants, paint and Coatings, Iran*
[C1.2.15]	C.A.	Paèz Martinez	**Synthesis of metallo-porphyrin complexes and incorporation into TiO2 and TiO2-SiO2 xerogel photocatalysts** C.A. Paèz Martinez*[1], B. Braconnier[1], S. Lambert[1], C. Alie[1], D. Poelman[2], R. Cloots[1], *[1]University of Liege, Belgium, [2]Ghent University, Belgium*
[C1.2.16]	S.	Parola	**Solvothermal sol-gel approach towards hybrid mesostructured BaTiO3 materials** L. Bois, C. Desroches, F. Chassagneux, S. Parola*, *University Lyon 1, France*
[C1.2.17]	A.	Pistore	**Porosity controlled by the sol gel precursor in thin film** A. Pistore*[1], S. Schutzmann[2], H.K. Kan[3], C. Ferrraris[3], M. Guglielmi[1], G. Brusatin[1], *[1]Padova University, Italy, [2]LOT Oriel, Italy, [3]Nanyang Technological University, Singapore*

[C1.2.18]	F.	Ribot	**Corrosion protection of aeronautical aluminium alloys by nanostructured sol-gel coatings** J. Monget[1,2], E. Campazzi[2], S. De Monredon-Senani[2], F. Ribot*[1], L. Nicole[1], C. Sanchez[1], *[1]UPMC Univ Paris 06, France, [2]EADS IW (MTSE), France*
[C1.2.19]	T.	Toupance	**Direct UV-irradiation of nanoparticulate thin films: An efficient low-temperature preparation method of nanoporous TiO2 electrodes for flexible electrochromic and photovoltaic devices** Z. Tebby[1], T. Toupance*[1], G. Campet[2], M.H. Delville[2], L. Hirsch[3], *[1]University of Bordeaux 1, France, [2]Institut de Chimie de la Matière Condensée de Bordeaux, France, [3]Laboratoire de l'Intégration du Matériau au Système, France*
[C1.2.20]	T.H.	Tran-Thi	**A versatile, selective and ultra-sensitive gas sensor for fast air quality measurements** R. Dagnelie[1], P. Banet[1], C. Cantau[1], C. Rivron[2], T.H. Tran-Thi*[2], *[1]CEA, France, [2]CNRS, France*
[C1.2.21]	M.T.	Zainuddin	**Photochromism of 6-nitro BIPs in hybrid sol gel matrix derived from unsaturated alkyl functional triethoxysilane** M.T. Zainuddin*, M.Z. A Malek, M.I. Ezwan, K. Mohamad Isha, R. Roslim, N.M.A. Nik Abdul Aziz, *SIRIM Berhad, Malaysia*
[C1.2.22]	Yu.L.	Zub	**Hybrid adsorbents for cations sorption containing phosponous acid derivates: A comparative study** I.V. Melnyk[1], O.A. Dudarko[1], Yu.L. Zub*[1], B. Alonso[2], *[1]NAS of Ukraine, Ukraine, [2]ICGM, France*

POSTER SESSION 2
Monday 16th March, 18:00 – 19:30

Poster Number	Poster Presenter		Title, Authors & Affiliations
			Symposium A - Biomimetic Materials
[A2.1.01]	A.H.	Ahmad	**Adhesion and water repellent properties of nascent-modified dammar silicone thin film: A bio mimicry approach** A.H. Ahmad*, R. Zakaria, *Universiti Teknologi MARA, Malaysia*
[A2.1.02]	S.	Begu	**Characterization of phospholipid loaded in silica vesicles synthesized using liposomes as templates** S. Begu*[1], A. Aubert-Pouessel[1], T. Azais[2], K. Selvaraj[1], C. Tourne-Peteilh[1], D.A. Lerner[1], *[1]Institut Charles Gerhardt Montpellier, France, [2]Laboratoire de Chimie de la Matière Condensée de Paris, France*
[A2.1.03]	I.	Ben Assaker	**Electrochemical formation of enzyme/layered double hydroxide modified electrodes** I. Ben Assaker*, L. Legrand, A. Chausse, *Université d'Evry Val d'Essonne, France*
[A2.1.04]	L.	Ben Tahar	**Dopamine functionalized polyol-made Co1-xZnxFe2O4 (0 ≤ x ≤ 1) nanoparticles as potential biomedical agents** H. Basti[1,2], A. Hanini[2], L. Ben Tahar*[2], L.S. Smiri[2], H. Abdelmelek[2], F. Herbst[1], *[1]Université Paris Diderot, France, [2]U. R. 99/UR12-30, Tunisia*
[A2.1.05]	L.	Billon	**Tailoring highly ordered honeycomb 2D or 3D polymeric films by bottom-up approach** P. Escale, V. Pellerin, M. Save, L. Billon*, *Université de Pau et Pays de l'Adour, France*
[A2.1.06]	G.	Carbajal de la Torre	**Ultra fine hydroxyapatite powders: Chemical synthesis and its effect on morphological characteristics** G. Carbajal de la Torre*[2], A. Martinez Valencia[1,2], H.E. Esparza-Ponce[1], J. Ortiz Landeros[3], *[1]Centro de Investigacion en Materiales Avanzados, Mexico, [2]Universidad Michoacana de San Nicolas de Hidalgo, Mexico, [3]Instituto Politecnico Nacional, Mexico*
[A2.1.07]	C.	Chollet	**New hybrid material associating various densities of REDV-grafted polyethylene terephthalate and endothelial cells** C. Chollet*[1,2], C. Chanseau[1,2], M. Remy[1,2], A. Guignandon[3], L. Bordenave[1,2], M.C. Durrieu[1,2], *[1]INSERM U577, France, [2]Universite Victor Segalen Bordeaux 2, France, [3]INSERM U890, France*
[A2.1.08]	F.	del Monte	**Multiwall carbon nanotube scaffolds for bone tissue engineering purposes** F. del Monte, *CSIC, Spain, [2]UCM, Spain*
[A2.1.09]	T.	Dizhbite	**Novel functionalised lignin (lignocellulose) / silica hybrid materials** G. Telysheva[1], T. Dizhbite*[1], A. Andersone[1], D. Evtuguin[2], L. Belkova[1], *[1]Latvian State Institute of Wood Chemistry, Latvia, [2]University of Aveiro, Portugal*
[A2.1.10]	A.	Ethirajan	**Polymeric nanoparticles synthesized via miniemulsion process as templates for the biomimetic mineralization of hydroxyapatite** A. Ethirajan*[1,2], U. Ziener[2], A. Chuvilin[2], U. Kaiser[2], H. Cölfen[3], K. Landfester[1,2], *[1]Max Planck Institute for Polymer Research, Germany, [2]University of Ulm, Germany, [3]Max Planck Institute of Colloids and Interfaces, Germany*
[A2.1.11]	M.	Fathi	**Synthesis and bioactivity evaluation of bone-like nanocrystalline hydroxyapatite** M. Fathi*[1], V. Mortazavi[2], E. Roohani Esfahani[1], *[1]Isfahan University of Technology, Iran, [2]Isfahan University of Medical Sciences, Iran*

[A2.1.12]	C.	Garnier	**Influence of in situ enzymatic demethylation of pectins by pectinmethylesterases on rheological properties of gels in presence of calcium ions** A. Slavov[1], E. Bonnin[2], C. Garnier*[2], M.J. Crépeau[2], S. Durand[2], J.F. Thibault[2], *[1]Bulgarian Academy of Sciences LBAS, Bulgaria, [2]INRA-BIA, France*
[A2.1.13]	J.	He	**Tuning interfacial non-covalent interaction through biomimetic functionalization of inorganic surface: The case of lysozyme and mesocellular silica foam hybrids** J. He*, S. Lu, Z. Liu, *Beijing University of Chemical Technology, China*
[A2.1.14]	N.	Jaffrezic-Renault	**Functionalised gold nanoparticles for the improvement of the detection limit of an impedancemetric immunosensor** I. Hfaied[1,2], F. Vocanson[1], A. Abdelghani[2], Z. Sassi[3], F. Bessueille[1], N. Jaffrezic-Renault*[1], *[1]Université de Lyon, France, [2]IPEST Tunis, Tunisia, [3]INSA Lyon, France*
[A2.1.15]	N.	Jaffrezic-Renault	**Immobilisation of trypsin in lamellar double hydroxides for the detection of polypeptides** H. Mansouri[1,3], C. Forano[1], V. Prevot[1], N. Jaffrezic-Renault*[2], A. Ben Haj Amara[3], *[1]Université Blaise Pascal Clermont, France, [2]Université Claude Bernard Lyon 1, France, [3]Faculté des Sciences de Bizerte, Tunisia*
[A2.1.16]	Y.H.	Kim	**A study on the bioactivity of porous Si-containing hydroxyapatite** Y.H. Kim*[1], W.T. Kwon[1], H.S. Kim[2], H.J. Kim[3], *[1]Korea Institute of Ceramic Engineering and Technology, Korea, [2]Seoul National University, Korea, [3]Meta Biomed Co. LTD, Korea*
[A2.1.17]	L.	Ming-Wei	**Chondrogenesis of human mesenchymal stem cells encapsulated in collagen-HA fibrils** L. Ming-Wei*[1], T. Yi-Hsien[1], H. Shih-Chieh[1], W. Yng-Jiin[1], *[1]Chung Shan Medical University, Taiwan, [2]National Yang-Ming University, Taiwan, [3]Veterans General Hospital, Taiwan*
[A2.1.18]	N.	Nassif	**In vitro synthesis of hybrid materials exhibiting a bone-like architecture** N. Nassif*[1], F. Gobeaux[1], E. Belamie[1], P. Davidson[1], G. Mosser[1], M.M. Giraud-Guille[1], *[1]LCMCP, UPMC-CNRS-EPHE, France, [2]LPS, u-psud 11, CNRS, France*
[A2.1.19]	S.	Nayar	**Drug delivery using insitu functionalized ferrofluids** S. Nayar*, A.K. Pramanik, A. Mir, D. Mallik, *National Metallurgical Laboratory, India*
[A2.1.20]	S.	Orlic	**Study of hydrothermal transformation mechanism of cuttlefish bone into hydroxyapatite** H. Ivankovic, E. Tkalcec, S. Orlic*, M. Ivankovic, *University of Zagreb, Croatia*
[A2.1.21]	A.K.	Pramanick	**Synthesis of biomimetic silver nanoparticles for drug delivery** A.K. Pramanick*, A. Mir, S. Nayar, *National Metallurgical Laboratory, India*
[A2.1.22]	I.A.	Rashkovan	**Biocompatible isotropic carbon fiber reinforced plastic (CFRP) based on polyamide-12** I.A. Rashkovan*[1], A.P. Krasnov[2], M.E. Kazakov[1], *[1]UVICOM Co.Ltd, Russia, [2]A.N.Nesmeyanov Institute of Organoelement Compounds RAS, Russia, [3]Moscow State University of Medicine and Dentistry, Russia*
[A2.1.23]	L.S.	Smiri	**Colloids of ferrites as magnetic fluids for the treatment of the cancer by hyperthermia** H. Basti[1,2], L. Ben Tahar[2], L.S. Smiri*[2], S. Ammar[1], F. Herbst[1], F. Fievet[1], *[1]Université Paris7, France, [2]U. R. 99/UR12-30, Tunisia, [3]INSA de Toulouse, France, [4]UFR Sciences Pharmaceutiques, France*
[A2.1.24]	B.	Sylvie	**New layered double hydroxydes/phospholipid bilayer hybrid material with strong potential for sustained drug delivery** P. Ramona, B. Sylvie*, A.P. Anne, D. Jean-Marie, L. Dan, T. Didier, *Institut Charles Gerhardt Montpellier, France*
[A2.1.25]	E. & S.	Taffin De Givenchy & Amigoni	**Nanoporous functionalized superamphiphobic surfaces from electrochemical polymerization** F. Guittard, T. Darmanin, E. Taffin De Givenchy*, S. Amigoni*, *Universite de Nice Sophia Antipolis, France*
[A2.1.26]	A.	Talal	**Growth of periodontal ligament cells and release of platelet derived growth factor from polylactide/hydroxyapatite composite films** A. Talal*[1,2], F.J. Hughes[2], K.E. Tanner[1], *[1]University of Glasgow, UK, [2]Queen Mary University of London, UK*
[A2.1.27]	P.	Thanikaivelan	**Structural and thermal investigations of biomimetically grown casein–soy composite protein fibres** T.B. Sudha, P. Thanikaivelan*, M. Ashokkumar, B. Chandrasekaran, *Central Leather Research Institute, India*
[A2.1.28]	A.I.	Triftaridou	**Poly(N,N-dimethylacrylamide)-b-poly(L-Lysine) hybrid copolymers: Synthesis and aqueous solution properties** A.I. Triftaridou*, I. Iliopoulos, *ESPCI-CNRS, France*
[A2.1.29]	M.	Uo	**Carbon nanotubes/collagen composite for biomedical apprications** M. Uo*, M. Terada, T. Akasaka, Y. Kitagawa, F. Watari, *Hokkaido University, Japan*
[A2.1.30]	L.	Viau	**Ionogels, new host materials: Applications as drug delivery system** C. Tourné-Péteilh, L. Viau*, A. Vioux, J.M. Devoisselle, *Institut Charles Gerhardt Montpellier, France*

[A2.1.31]	M.A.	Vicente	**Porphyrin funcionalized on kaolinite clay: New hybrid catalytic materials efficient in oxidation reactions** M.A. Vicente[1], N. Bizaia*[3], E.H. de Faria[3], G.P. Ricci[3], P.S. Calefi[3], E.J. Nassar[3], S. Nakagaki[2], *[1]Universidad de Salamanca, Spain, [2]Universidade Federal do Paraná, Brazil, [3]Universidade de Franca, Brazil, [4]Universidad Pública de Navarra, Spain*
[A2.1.32]	D.	Xie	**Bioactive dental glass-ionomer cement with potential therapeutic function to dentin capping mineralization** D. Xie*, J. Zhao, Y. Weng, *IUPUI, USA*
[A2.1.33]	S.	Zhu	**Sonochemical fabrication of morpho-genetic TiO2 with hierarchical structures** S. Zhu*, D. Zhang, H. Jiang, *Shanghai Jiao Tong University, China*
Symposium B - Functional Nanoparticles and Nanotubes			
[B2.1.01]	A.	Aboulaich	**Organo-soluble and reactive SiO2 and SiO2-TiO2 nanoparticles by a nonhydrolytic sol-gel route** P.H. Mutin[1,2], A. Aboulaich*[2], O. Lorret[2], B. Boury[2,1], *[1]CNRS, France, [2]Université Montpellier 2, France*
[B2.1.02]	I.M.	Afanasov	**Expanded graphite supported Ni composites as hydrocracking catalysts** I.M. Afanasov*[1], O.N. Shornikova[1], O.I. Lebedev[2], V.A. Morozov[1], B.A. Kolozhvari[1], A.V. Smirnov[1], *[1]Moscow State University, Russia, [2]University of Antwerp, Belgium*
[B2.1.03]	M.I.	Ahmad	**A population balance model for the chemical vapour synthesis of nanocrystalline titania powders** M.I. Ahmad*, S.S. Bhattacharya, *Indian Institute of Technology, India*
[B2.1.04]	M.	Alexandre	**Gold nanoparticles nanostructured in block copolymers upon melt blending: Design of a stable and compatible silica/polymer shell** M. Alexandre*[1,2], C. Abetz[1], C.H. Jerome[2], V. Abetz[1], A. Boschetti-de-Fierro[1], *[1]GKSS-Forschungszentrum Geesthacht GmbH, Germany, [2]University of Liège, Belgium*
[B2.1.05]	A.	Alizadeh	**Modification of gold nanoparticles with monoaza crown ethers (synthesis, characterization & aggregation)** A. Alizadeh*, M.M. Khodaei, Ch. Karami, M. Shamsipur, M. Sadeghi, *Razi University, Iran*
[B2.1.06]	R.	Alvarez-Rodriguez	**Smart behaviour exhibited by 2-D and 3-D assemblies of gold nanoparticles and recombinant elastin-like polymers** R. Alvarez-Rodriguez*[1,2], J. Arias[1,2], M. Alonso[1,2], J.C. Rodríguez-Cabello[1,2], *[1]Bioforge University of Valladolid, Spain, [2]CIBER BBN, Spain*
[B2.1.07]	S. & E	Amigoni & Taffin De Givenchy	**Bottom up approach for the construction of water repellent surfaces** S. Amigoni*, E. Taffin De Givenchy*, M. Dufay, F. Guittard, *Université de Nice, France*
[B2.1.08]	T.	Avarmaa	**Phenylhydrazine functionalized SWCNT-polymer composites for gas sensors** K. Paabo, U. Mäeorg, T. Avarmaa*, R. Jaaniso, *University of Tartu, Estonia*
[B2.1.09]	N.	Baccile	**Hydrothermal carbon from biomass: Recent advances in synthesis, one pot functionalization and fine structure resolution by 13C solid state NMR** N. Baccile*[1], F. Babonneau[2], M.M. Titirici[1], M. Antonietti[1], *[1]Max-Planck Institute for Colloids, Germany, [2]University Pierre et Marie Curie, France*
[B2.1.10]	P.	Baláž	**Mechanochemistry of eggshell as a multifunctional biomaterial for hazardous waste treatment** P. Baláž*[1], E. Turianicová[1], M. Baláž[2], *[1]Slovak Academy of Sciences, Slovakia, [2]Pavol Jozef Šafárik University in Košice, Slovakia*
[B2.1.11]	C.	Bantz	**Synthetic nanoparticles in lung tissue models** C. Bantz*[1], H.J. Galla[2], C.J. Kirkpatrick[1], R.H. Stauber[1], M. Maskos[1,3], *[1]Johannes Gutenberg-Universität Mainz, Germany, [2]Universität Münster, Germany, [3]Institut für Mikrotechnik Mainz GmbH, Germany*
[B2.1.12]	Y.	Battie	**Growth mechanisms of silver nanoparticles in mesostructured hybrid silica films under laser illumination** Y. Battie*[1], N. Destouches[1], A. Boukenter[1], A. Tishchenko[1], L. Bois[2], F. Chassagneux[2], *[1]Université de Lyon, France, [2]Université Claude Bernard Lyon 1, France, [3]Université Lyon 1, France*
[B2.1.13]	M.	Bendova	**Functional cadmium sulfide clusters as nanosized building blocks for hybrid materials** M. Bendova*, M. Puchberger, U. Schubert, *Vienna University of Technology, Austria*
[B2.1.14]	L.	Billon	**From well-defined spherical nano to micron-sized flakes as core/shell hybrids by surface initiated nitroxide mediated polymerisation** C. Deleuze, L. Ghannam, L. Billon*, *Université de Pau et des Pays de l'Adour, France*
[B2.1.15]	J.	Boudon	**Self-organized liquid-crystalline dendrimer functionalized gold nanoparticles: A promising optical hybrid material?** J. Boudon*[1], S. Frein[1], T. Scharf[1], G. Süss-Fink[1], T. Bürgi[1,2], R. Deschenaux[1], *[1]University of Neuchâtel, Switzerland, [2]University of Heidelberg, Germany*
[B2.1.16]	J.	Bujdák	**Photoactive materials based on porphyrin / layered double hydroxide hybrid films** J. Bujdák*[1], K. Lang[2], N. Iyi[3], *[1]SAS, Slovakia, [2]Institute of Inorganic Chemistry, v.v.i., ASCR, Czech Republic, [3]National Institute for Materials Science, Japan*
[B2.1.17]	M.	Cazacu	**Structured siloxane-organic systems** M. Cazacu*, M. Alexandru, C. Racles, G. Stiubianu, A. Vlad, A. Ioanid, *Petru Poni Institute of Macromolecular Chemistry Iasi, Romania*

[B2.1.18]	C.	Chaix	**Elaboration of nano-on-micro (NOM)-assembled silica particles to enable solid-phase oligonucleotide synthesis on the nano-sized objects: Applications to DNA detection** C. Chaix*, C. Farre, M. Lansalot, R. Bazzi, S. Roux, C.A. Marquette, *Université Lyon 1, France*
[B2.1.19]	N.A.	Chaniotakis	**Electrochemically active hybrid nanomaterials for stabilization and mediation in biodevices** N.A. Chaniotakis*, V. Vamvakaki, *University of Crete, Greece*
[B2.1.20]	P.J,	Chao	**Synthesis and characterization of CNT/CdSe nanocomposite** F.H. Lin[1], Y.J. Wang[2], P.J. Chao*[2], *[1]National Taiwan University, Taiwan, [2]National Yang-Ming University, Taiwan*
[B2.1.21]	S.	Chausson	**Original structures and magnetic properties of a Copper(II) alkylphosphonates series for nanocomposite application** S. Chausson*[1], O. Perez[1], R. Retoux[1], J.M. Rueff[1], C. Simon[1], L. Le Pluart[2], *[1]CRISMAT, France, [2]LCMT, France, [3]CEMCA, France*
[B2.1.22]	J.Z.	Chen	**Effects of carbon based nano-composite on dye-sensitized solar cells** J.Z. Chen*, K.J. Lin, *National Chung Hsing University, Taiwan*
[B2.1.23]	C.W.	Chiu	**Silicate rods and dendrites from self-piling of high-aspect-ratio clay platelets** C.W. Chiu*[2], J.J. Lin[1], *[1]National Taiwan University, Taiwan, [2]National Chung Hsing University, Taiwan*
[B2.1.24]	H.	Chuen-Yuan	**Fabrication of tunable surface plasmon resonance of gold nanoparticles** H. Chuen-Yuan*, L. Kuan-Jiuh, *National ChungHsing University, Taiwan*
[B2.1.25]	F.	Ciesielczyk	**Preparation of MgO·SiO2 hybrid in emulsion environment** F. Ciesielczyk*, A. Krysztafkiewicz, T. Jesionowski, *Poznan University of Technology, Poland*
[B2.1.26]	A.K.	Cuentas-Gallegos	**Electrochemical applications of hybrid materials based on nanocarbons and polyoxometalates** S. Peñaloza-Jiménez, A. Vargas-Ocampo, N. Rayón-López, R. Martínez-Rosales, M. González-Toledo, A.K. Cuentas-Gallegos*, *Universidad Nacional Autónoma de México, Mexico*
[B2.1.27]	F.	Cuevas	**Microstructural and magnetic properties of PdNi nanoparticles synthesized in nanoporous carbon templates** R. Campesi[1], V. Paul-Boncour[1], F. Cuevas*[1], E. Leroy[1], M. Hirscher[2], R. Gadiou[3], *[1]CMTR-ICMPE-CNRS, France, [2]MPI-MF, Germany, [3]ICSI-CNRS, France*
[B2.1.28]	D.C.	Culita	**Multifunctional magnetic nanoparticles for possible biological applications** D.C. Culita*[1], G. Marinescu[1], L. Patron[1], F. Tuna[2], C. Ghica[3], S. Nita[4], *[1]Institute of Physical Chemistry "Ilie Murgulescu", Romania, [2]University of Manchester, UK, [3]National Institute for Materials Physics, Romania, [4]National Institute of Chemical-Pharmaceutical Researh and Development, Romania*
[B2.1.29]	A.L.	Daniel-da-Silva	**Biofunctionalized magnetic thermosensitive nanospheres: Strategy of synthesis and surface modification** A.L. Daniel-da-Silva*, T. Trindade, B.J. Goodfellow, A.M. Gil, *University of Aveiro, Portugal*
[B2.1.30]	S.	Daniele	**Recent advances of TiO2 functional nanoparticles elaboration by chemical design** S. Daniele, *Universite Lyon 1, France*
[B2.1.31]	F.	del Monte	**Macroporous architectures of self-assembled MWCNTs as three dimensional anodes in fuel cells** F. del Monte*, M.J. Hortiguela, M.C. Gutierrez, *CSIC, Spain*
[B2.1.32]	C.	Deleuze	**Tailoring spherical hybrid core/shell materials for optical properties** C. Deleuze*[1], C. Derail[1], M.H. Delville[2], L. Billon[1], *[1]IPREM / EPCP, France, [2]ICMCB, France*
[B2.1.33]	W.	Di	**Controlled synthesis and energy transfer of europium-doped terbium orthophosphate nanocrystals by citric acid-assisted hydrothermal route** W. Di*, N. Pinna, *University of Aveiro, Portugal*
[B2.1.34]	N.L.	Dias Filho	**A novel hybrid nanomaterial derived from a polyhedral oligomeric silsesquioxane cage for application in oxidation catalysis** N.L. Dias Filho*[1], F.C.M. Portugal[2], V. Félix[3], P.D. Vaz[2], C.D. Nunes[2], M.J. Calhorda[2], *[1]Universidade Estadual Paulista, Brazil, [2]Universidade de Lisboa, Portugal, [3]Universidade de Aveiro, Portugal*
[B2.1.35]	R.X.	Dong	**Controllable synthesis and morphology of silver nanoparticles under organic templates of poly(oxyethylene)-segmented amidoacids** J.J. Lin, R.X. Dong*, W.C. Tsai, H.F. Lin, *National Taiwan University, Taiwan*
[B2.1.36]	Z.	Drozd	**Elastic and plastic properties of microcrystalline Mg reinforced by alumina and zirconia nanoparticles** Z. Drozd*, Z. Trojanová, *Charles University, Czech Republic*
[B2.1.37]	J.L.	Duvail	**Coaxial nickel/poly(p-phenylene-vinylene) nanowires as multifunctional building-blocks manipulated magnetically** J.M. Lorcy, F. Massuyeau, J. Wéry, E. Faulques, O. Chauvet, J.L. Duvail*, *Institut des Matériaux Jean Rouxel, France*
[B2.1.38]	L.V.	El'nikova	**Modeling of nanopores formation in photoactivated biomembranes** L.V. El'nikova, *A.I.Alikhanov Institute for Theoretical and Experimental Physics, Russia*

[B2.1.39]	A.	Etxeberria	**Nanoparticle formation kinetic followed by NMR: 1H, 13C and HSQC experiments** A. Etxeberria*[1], A. Ruiz de Luzuriaga[2], H. Grande[2], J.A. Pomposo[2], *[1]Universidad del País Vasco-Euskal Herriko Unibertsitatea, Spain, [2]CIDETEC, Spain*
[B2.1.40]	C.	Farre	**Elaboration of nano-on-micro assemblies with fluorescent nanoparticles for oligonucleotide solid-phase synthesis toward DNA detection in a lab-on-chip device** C. Farre*, C. Chaix, M. Lansalot, C.A. Marquette, N. Charvet, C. Louis, *Université Lyon 1, France*
[B2.1.41]	M.P.	Fedotova	**TiO2-containing systems for photodegradation of organic substances** M.P. Fedotova*[1], G.A. Voronova[1,2], E.Y. Emelyanova[1], O.V. Vodyankina[1], *[1]Tomsk State University, Russia, [2]Tomsk Polytechnic University, Russia*
[B2.1.42]	N.	Fereshteh Saniee	**Structural, electrical and optical properties of Si-doped ZnO thin films grown by pulsed laser deposition** N. Fereshteh Saniee*, J.S. Abell, J. Bowen, *University of Birmingham, UK*
[B2.1.43]	C.	Freire	**Functionalization of carbon nanotubes by silanization reaction** H.S. Gaspar[1], F. Gonçalves[1], S.L.H. Rebelo[1], M.F.R. Pereira[1], C. Freire*[1], J.L. Figueiredo[1], *[1]REQUIMTE, Portugal, [2]Universidade do Porto, Portugal*
[B2.1.44]	R.	Ghasempour	**Hybrid nanocomposite of WO3 /MWCNTs as gas sensors** R. Ghasempour*, A. Iraji Zad, N. Taghavi Nia, S. Fardin Doust, M.R. Hormozi Nezhad, *Sharif University of Technology, Iran*
[B2.1.45]	F.	Giulieri	**Increase of colour and mechanical properties using fibrous clay as fillers in acrylate elastomer** L. Challier[1], S. Ovarlez[1], F. Giulieri*[1], A. Burr[2], F. Delamare[2], A.M. Chaze[1], *[1]Université de Nice Sophia Antipolis, France, [2]CEMEF – Ecole des Mines de Paris, France*
[B2.1.46]	A.	Gohier	**Controlled grafting of polymer films onto multi-walled carbon nanotubes using diazonium salt based one-pot process** A. Gohier*[1], M. Mayne-L'Hermite[1], F. Nekelson[2], G. Deniau[2], S. Palacin[2], C. Reynaud[1], *[1]CEA(Saclay)/DSM/IRAMIS/SPAM, France, [2]CEA(Saclay)/DSM/IRAMIS/SPCSI, France*
[B2.1.47]	L.F.F.F.	Gonçalves	**Optical properties of hybrid gels with incorporated CdSe nanoparticles** L.F.F.F. Gonçalves*, C.J.R. Silva, M.J.M. Gomes, *University of Minho, Portugal*
[B2.1.48]	C.M.	Granadeiro	**Luminescent polyoxometalates encapsulated in silica nanoparticles** C.M. Granadeiro*, R.A.S. Ferreira, P.C.R. Soares-Santos, L.D. Carlos, T. Trindade, H.I.S. Nogueira, *University of Aveiro, Portugal*
[B2.1.49]	M.	Hanaya	**Formation of NiZn ferrite nano-rod array by RF magnetron sputtering onto nano-porous alumina membrane** T. Arai, T. Kyomen, M. Hanaya*, *Gunma University, Japan*
[B2.1.50]	K.	Hervé	**Stable aqueous suspensions of PEGylated SPION for biomedical application** K. Hervé*, E. Munnier, L. Douziech-Eyrolles, M. Soucé, P. Dubois, I. Chourpa, *Université François Rabelais de Tours, France*
[B2.1.51]	L.	Hu	**Comparison of various methods of grafting of modified-PEG onto maghemite nanoparticles in aqueous medium including synthesis by microwave refluxing** L. Hu*, D. Hach, D. Chaumont, C.H. Brachais, J.P. Couvercelle, A. Percheron, *Universite de Bourgogne, France*
[B2.1.52]	T.	Jesionowski	**Pigment composites obtained via adsorption of dyes onto uniform silica support** T. Jesionowski*, B. Kurc, A. Krysztafkiewicz, *Poznan University of Technology, Poland*
[B2.1.53]	T.	Jesionowski	**TiO2/SiO2 hybrid materials obtained in emulsion media** T. Jesionowski*, K. Siwinska-Stefanska, A. Krysztafkiewicz, *Poznan University of Technology, Poland*
[B2.1.54]	N.	Kameta	**Self-assembled organic nanotubes for one-dimensional alignment of biomacromolecules** N. Kameta*[1,2], M. Masuda[1,2], T. Shimizu[1,2], *[1]National Institute of Advanced Industrial Science and Technology, Japan, [2]SORST, Japan Science and Technology Agency, Japan*
[B2.1.55]	N.	Keghouche	**Catalytic and structural properties of Ni/oxide composites synthesized by radiolysis** N. Keghouche*[1], Y. Benguedouar[1], N. Ouafek[1], S. Chettibi[1], M.M. Bettahar[2], *[1]Université Mentouri Constantine, Algeria, [2]Laboratoire de Catalyse Hétérogène, France*
[B2.1.56]	N.	Keghouche	**Structural and optical study of –semi conductor nanoparticles synthesized under ionized radiations** N. Keghouche*[1], A.H. Souici[1,2], M. Mostafavi[2], H. Remita[2], J.A. Delaire[3], *[1]Constantine University, Algeria, [2]Université Paris-Sud, France, [3]Laboratoire de Photophysique et Photochimie Supramoléculaires et Macromoléculaires, France*
[B2.1.57]	I.Y.	Kim	**Crystal structure, morphology, and electrode performance of 1D nanostructured manganese oxides prepared with various solid-state precursors** I.Y. Kim*, H.W. Ha, T.W. Kim, S.J. Hwang, *Ewha Womans University, Korea*
[B2.1.58]	J.	Kliava	**Nanocomposites based on glasses simultaneously doped with iron and manganese** J. Kliava*[1], I. Edelman[2], O. Ivanova[2], R. Inantsov[2], O. Bayukov[2], E. Petrakovskaja[2], *[1]Université Bordeaux 1, France, [2]Siberian Branch of RAS, Russia*
[B2.1.59]	B.S.	Kong	**Gold nanoparticle decoration on the rapheme thin films** B.S. Kong*, J. Geng, H.T. Jung, *KAIST, Korea*
[B2.1.60]	T.	Kozlecki	**Polymeric nanoparticles obtained via aza-Michael reaction** T. Kozlecki*[1], I. Polowczyk[1], K. Terpilowski[2], *[1]Wroclaw University of Technology, Poland, [2]Maria Curie-Sklodowska University, Poland*

[B2.1.61]	P.	Papaphilippou	**Superparamagnetic hybrid micelles, based on iron oxide nanoparticles and well-defined diblock copolymers possessing beta-ketoester groups** P. Papaphilippou*[1], T. Krasia-Christoforou[1], C. Popa[2], A. Han[3], L. Vekas[2], *[1]University of Cyprus, Cyprus, [2]Romanian Academy, Romania, [3]Univ. Politehnica Timisoara, Romania*
[B2.1.62]	K.	Lang	**How intercalated porphyrins in layered double hydroxides produce singlet oxygen** K. Lang*[1], E. Kafunkova[1,2], F. Kovanda[3], C. Taviot-Guého[4], *[1]Institute of Inorganic Chemistry, v.v.i., ASCR, Czech Republic, [2]Charles University, Czech Republic, [3]Institute of Chemical Technology Prague, Czech Republic, [4]Universite Blaise Pascal, France*
[B2.1.63]	C.H.	Lee	**Reactivity of metal-deposited mesoporous silica by hydrothermal treatment** C.H. Lee*[1], H.P. Lin[2], R.A. Doong[1], *[1]National Tsing Hua University, Taiwan, [2]National Cheng Kung University, Taiwan*
[B2.1.64]	K.J.	Lin	**Honeycomb networks of multi-walled carbon nanotubes as flexible transparent conducting films** K.J. Lin*, S.J. Fu, J.W. Su, *National Chung Hsing University, Taiwan*
[B2.1.65]	C.J.	Lomoschitz	**Zirconia-phosphonate/phosphate hybrids in a bottom-up approach** C.J. Lomoschitz*[1], N. Moszner[2], G. Kickelbick[1], *[1]Vienna University of Technology, Austria, [2]IvoclarVivadent AG, Liechtenstein*
[B2.1.66]	X.M.	Lu	**Nano-ribbon prepared with ultrasonic technique from macro-lamellar crystal** X.M. Lu*[1,2], T. Wang[1], C.H. Ye[2], *[1]Capital Normal University, China, [2]Wuhan Institute of Physics and Mathematics, China*
[B2.1.67]	X.M.	Lu	**Nano-helix prepared by sonochemical process from macro-tubular crystal** X.M. Lu*[1,2], T. Wang[1], C.H. Ye[2], *[1]Capital Normal University, China, [2]Wuhan Institute of Physics and Mathematics, China*
[B2.1.68]	J.P.	Lukaszewicz	**Biotechnological synthesis and characterization of nano-sized LaMnO3 crystals in carbon matrix** A. Cyganiuk, J.P. Lukaszewicz*, *Nicholas Copernicus University, Poland*
[B2.1.69]	R.	Luri	**Severe plastic deformation of ARMCO-iron by equal channel angular extrusion** C.J. Luis[1], R. Luri*[1], I. Puertas[1], J. León[1], R. Rodríguez[2], G. Vargas[3], *[1]Public University of Navarre, Spain, [2]Industry Association of Navarra, Spain, [3]AH Associates Architects, Spain*
[B2.1.70]	D.	Lutic	**Application of some micro- and mesoporous materials in gas and particle sensing** D. Lutic*[1], E. Seftel[1], E. Popovici[1], A. Lloyd Spetz[1], *[1]Al.I. Cuza University Lasi, Romania, [2]Linkoping University, Sweden*
[B2.1.71]	G.	MacDonald	**Application of functional nanoparticles to consumer products** G. MacDonald*, B. Do, *Kimberly-Clark Corporation, USA*
[B2.1.72]	E.A.	Makeeva	**Hybrid organo-inorganic fluorescent sensors for metal cations** E.A. Makeeva*[1], P.A. Panchenko[2], A.V. Koshkin[2], *[1]Moscow State University, Russia, [2]Russian Academy of Sciences, Russia*
[B2.1.73]	A.	Malak	**Hybrid materials based on LDHs for supercapacitor application** A. Malak*[1,2], C. Vix-Guterl[2], E. Frackowiak[1], *[1]Poznan University of Technology, Poland, [2]Institut de Chimie des Surfaces et Interfaces, France*
[B2.1.74]	N.	Marchet	**Particle size and shape analysis with CILAS instruments** N. Marchet, *CILAS, France*
[B2.1.75]	J.L.	Mattei	**Low-loss magnetodielectric spinel-ferrite based ceramic with constant permeability and permittivity in the UHF range** A. Thakur, J.L. Mattei*, A. Chevalier, P. Queffelec, *LabSTICC, France*
[B2.1.76]	J.L.	Mattei	**Technological role of Indium in nickel-zinc nano ferrites synthesized via reverse micelle technique** S. Thakur[1], S.C. Katyal[1], P. Quéffélec[2,3], J.L. Mattei*[2,3], M. Singh[4], *[1]Jyppe University, India, [2]Centre Laboratory for Electronics and Systems, France, [3]labSTICC, France, [4]H.P. University, India*
[B2.1.77]	L.	Maurizi	**New third generation SPIO for cardiac HER2/Neu receptor imaging** L. Maurizi*[1], H. Bisht[1], D. Vandroux[2], P. Walker[1], F. Bouyer[1], N. Millot[1], *[1]University of Burgundy, France, [2]University Hospital Center, France*
[B2.1.78]	R.	Méallet-Renault	**New near-IR aza-BODIPY derivatives grafted to polymeric beads: Application to gas sensing** R. Méallet-Renault*[1], T.T. Vu[1], G. Clavier[1], R.B. Pansu[1], B.A. Trofimov[2], D.F. O'Shea[3], *[1]PPSM, France, [2]Favorsky Institute of Chemistry, Russia, [3]University College Dublin, Ireland*
[B2.1.79]	H.	Merzouk	**Morphological and optical properties of ZnS thin film prepared by solution growth technique** H. Merzouk*, S. Saoudi, A. Aksas, D. Haddiouche, *University of Bejaia, Algeria*
[B2.1.80]	I.	Miletto	**Encapsulation of cyanine dyes in silica nanoparticles: Effect on the photophysical properties** G. Alberto[1,2], I. Miletto*[1,3], G. Caputo[1,2], G. Viscardi[1,2], G. Martra[1,2], *[1]Università degli Studi di Torino, Italy, [2]NIS Centre of Excellence, Italy, [3]Cyanine Technologies S.r.l., Italy*
[B2.1.81]	R.	Mosca	**Influence of ambient humidity on the conductivity of CH3NH3SnCl3 hybrid films** R. Mosca*[1], P. Ferro[1], T. Besagni[1], D. Calestani[1], F. Chiarella[1,2], F. Licci[1], *[1]CNR-IMEM Institute-Parma, Italy, [2]CNR-INFM Coherentia-Napoli, Italy*

[B2.1.82]	R.	Mosca	**Sensitization of metal oxide nanostructures by CH3NH3SnCl3 hybrid perovskite** R. Mosca*[1], F. Licci[1], P. Ferro[1], T. Besagni[1], D. Calestani[1], A. Zappettini[1], *[1]CNR-IMEM Institute, Italy, [2]CNR-IFN Institute, Italy*
[B2.1.83]	M.B.	Kasim Rawthar	**Structural and morphological properties of niobium doped nanomaterial, Li2Ni1.95Nb0.05(MoO4)3 for lithium batteries** M.B. Kasim Rawthar*[1], N. Yahaya[1], L. Mallikarjunan[2], B. V[2], *[1]Universiti Teknologi PETRONAS, Malaysia, [2]Seethalakshmi Ramaswami College, India*
[B2.1.84]	M.A.	Neouze	**Linking nanoparticles with ionic connectors** M. Litschauer[1], M. Puchberger[1], H. Peterlik[2], M.A. Neouze*[1], *[1]Vienna University of Technology, Austria, [2]Faculty of Physics, Austria*
[B2.1.85]	Q.H.	Nguyen	**Hybrid excitons in a semiconductor quantum dot coated by an organic shell under the effect of external fields** Q.H. Nguyen, *Marshall University, USA*
[B2.1.86]	H.I.S.	Nogueira	**Lanthanopolyoxometalate based nanostructured materials** H.I.S. Nogueira, *University of Aveiro, Portugal*
[B2.1.87]	C.	O'Dwyer	**Fully transparent indium tin oxide nanowire contacts for Si-based LEDs** C. O'Dwyer*[1], M. Szachowicz[2], G. Visimberga[2], V. Lavayen[3], S.B. Newcomb[4], C.M. Sotomayor Torres[5,6], *[1]University of Limerick, Ireland, [2]University College Cork, Ireland, [3]Universidad Técnica Federico Santa María, Chile, [4]Glebe Scientific Limited, Ireland, [5]ICREA, Spain, [6]Universitat Autonoma de Barcelona, Spain*
[B2.1.88]	K.	Okada	**Magnetite nanocrystals / indium tin oxide nanocomposite thin films prepared by pulsed-laser deposition** K. Okada*[1], S. Kohiki[1], Y. Bando[2], H. Tanaka[3], T. Kawai[3], H. Deguchi[1], *[1]Kyushu Institute of Technology, Japan, [2]National Institute for Materials Science, Japan, [3]Osaka University, Japan*
[B2.1.89]	J.	Onoe	**Photo-current characteristics of zinc-octaethylporphyrin/C60 layered-structure photovoltaic cells** J. Onoe*[1], S. Ryuzaki[1], T. Kai[1], T. Nishii[2], *[1]Tokyo Institute of Technology, Japan, [2]Electrical Power Development Co., Ltd. (J-Power), Japan*
[B2.1.90]	J.	Onoe	**One-dimensional metallic C60 polymer with positive and negative gauss curvatures** J. Onoe*[1], T. Ito[2], S. Kimura[2], Y. Toda[3], K. Ohno[4], T.A. Beu[5], *[1]Tokyo Institute of Technology, Japan, [2]Institute for Molecular Science, Japan, [3]Hokkaido University, Japan, [4]Yokohama National University, Japan, [5]University of "Babes-Bolyai", Romania*
[B2.1.91]	H.	Park	**Multifunctional nanoparticles for photothermally controlled drug delivery and MRI enhancement** H. Park*, K.H. Yoo, J. Yang, S.H. Haam, D. Kim, J. Suh, *Yonsei University, Korea*
[B2.1.92]	S.	Parola	**Hybrid nanoplatforms for therapy and imaging** T. Gallavardin[1,2], F. Lerouge[1], S. Parola*[1], O. Maury[2], C. Andraud[2], Y. Leverrier[3], *[1]University Lyon 1, France, [2]ENS Lyon, France, [3]Inserm U851, France*
[B2.1.93]	D.A.	Pawlak	**Self-organized eutectic materials for metamaterials** D.A. Pawlak*[1], K. Kolodziejak[1], S. Turczynski[1], M. Gajc[1], A. Klos[1], K. Rozniatowski[2], *[1]Institute of Electronic Materials Technology, Poland, [2]Warsaw University of Technology, Poland*
[B2.1.94]	M.	Pelosi	**Silicon and germanium nanoparticles for energy storage and conversion** D. Zitoun, M. Pelosi*, E. Peyre, *Institut Charles Gerhardt, France*
[B2.1.95]	C.	Pereira	**Grafting of oxovanadium(IV) complex onto functionalized silica nanoparticles** J. Silva, C. Pereira*, C. Freire, *REQUIMTE, Portugal*
[B2.1.96]	C.M.	Petrea	**Characterization of epoxy composites based on amine modified carbon nanotubes** C.M. Petrea*, C. Andronescu, A.M. Pandele, S.A. Garea, H. Iovu, *University Politehnica of Bucharest, Romania*
[B2.1.97]	P.D.	Petrov	**UV-assisted grafting of polymers onto carbon nanotubes** P.D. Petrov*, G.L. Georgiev, Ch.B. Tsvetanov, *Bulgarian Academy of Sciences, Bulgaria*
[B2.1.98]	M.	Pinault	**Elaboration and porperties of 1D composites composed of long and aligned carbon nanotubes** M. Pinault*[1], M. Helezen[1], A. Dusza[1], S. Patel[1], G. Desarmot[2], M. Mayne-L'Hermite[1], *[1]Laboratoire Francis Perrin, France, [2]ONERA,DMSC, France, [3]Laboratoire des Solides Irradiés, France*
[B2.1.99]	N.	Pinna	**Non-aqueous sol-gel routes to diluted magnetic oxide nanocrystals** G. Clavel[1,2], A. Pucci[1], M.G. Willinger[1], D. Zitoun[2], N. Pinna*[1], *[1]University of Aveiro, Portugal, [2]University of Montpellier, France*
[B2.1.100]	S.	Pispas	**Hybrid nanostructures from block copolymers and metal nanoparticles** A. Meristoudi, C. Mantzaridis, S. Pispas*, *National Hellenic Research Foundation, Greece*
[B2.1.101]	M.	Post	**Porous TiO2 nano-composites with gold for optical gas sensing applications** M. Post*[1], A. Martucci[2], E. Della Gaspera[2], *[1]National Research Council of Canada, Canada, [2]University of Padova, Italy*
[B2.1.102]	G.	Pourroy	**Thin films of functionalized nanoparticles for magnetic and magneto-transport applications** M. Pauly, B.P. Pichon, S. Bégin-Colin, G. Pourroy*, *IPCMS, France*

[B2.1.103]	G.	Pourroy	**Effect of the inorganic-organic interactions on the magnetic structure in functionalized magnetite-based nanoparticles** T.J. Daou[1], J.M. Greneche[2], G. Pourroy*[1], S. Buathong[1], B. Donnio[1], S. Begin-Colin[1], *[1]Institut de Physique et Chimie des Matériaux, France, [2]Laboratoire de Physique de L'Etat Condensé, France*
[B2.1.104]	S.	Preda	**Hydrothermally prepared titanate nanotubes, their catalytic properties and the effect of bio-functionalization** S. Preda*[1], V.S. Teodorescu[2], C. Anastasescu[1], M. Zaharescu[1], *[1]Institute of Physical Chemistry "Ilie Murgulesc" of the Romanian Academy, Romania, [2]National Institute for R&D on Materials Physics, Romania*
[B2.1.105]	S.	Ravaine	**Towards colloidal molecules through a chemical synthetic route** A. Perro[1,2], E. Duguet[2], O. Lambert[3], J.C. Taveau[3], E. Bourgeat Lami[4], S. Ravaine*[1], *[1]Centre de Recherche Paul Pascal, France, [2]Institut de Chimie de la Matière Condensée, France, [3]Institut de Chimie et de Biologie, France, [4]Laboratoire de Chimie et Procédés de Polymérisation, France*
[B2.1.106]	F.	Razi	**Enhancement in growth of multi-walled carbon nanotubes on the surface of porous silicon coated by Pd catalyst** F. Razi*, S.Z. Mortazavi, N.S. Taghavi, A. Reyhani, A. Iraji Zad, *Sharif University of Technology, Iran*
[B2.1.107]	M.	Richard-Plouet	**Nanostructured anatase and brookite films by chemical solution deposition at low temperature** C.E. Liu, M. Richard-Plouet*, M. Mancini-Le Granvalet, L. Brohan, H. Terrisse, *Institut des Matériaux Jean Rouxel, France*
[B2.1.108]	M.	Richard-Plouet	**Nano-TiO2(B) obtained by a soft chemistry process** T. Beuvier, M. Richard-Plouet*, M. Mancini-Le Granvalet, L. Brohan, *Institut des Matériaux Jean Rouxel, France*
[B2.1.109]	J.	Riegler	**Designed molecular imprinted nanoparticles – multifunctional nano-hybrid materials** J. Riegler*[1,2], T. Schreiber[2], K. Niedergall[2], T. Hirth[1,2], G.E.M. Tovar[1,2], *[1]Fraunhofer Institute for Interfacial Engineering and Biotechnology, Germany, [2]University Stuttgart, Germany*
[B2.1.110]	A.	Roig	**Core(gamma-Fe2O3)-shell(SiO2) nanospheres by sol-gel supercritical fluid assisted route** E. Taboada[1], A. Roig*[1], E. Rodriguez[2], M. Paradines[1], L. Roiban[3], O. Ersen[3], *[1]Institut de Ciència de Materials de Barcelona, Spain, [2]Center for Molecular Imaging Research, MGH-Harvard Medical Hospital, USA, [3]Institut de Physique et Chimie des Matériaux de Strasbourg, France*
[B2.1.111]	C.J.	Roy	**Multifunctional tubular nano-objects for controlled and targeted gene delivery applications** C.J. Roy*[1], B.G. De Geest[2], S. De Smedt[2], A.M. Jonas[1], S. Demoustier[1], *[1]Université Catholique de Louvain, Belgium, [2]Universiteit Gent, Belgium*
[B2.1.112]	L.	Rozes	**Titanium oxo-clusters: An alternative to nanoparticles to build well defined hybrid materials** T. Frot, F. Perineau, S. Pensec, L. Bouteiller, L. Rozes*, C. Sanchez, *Université Pierre et Marie Curie, France*
[B2.1.113]	R.	Rutkaite	**Antibacterial starch based nanomaterials** R. Rutkaite*, J. Bendoraitiene, R. Klimaviciute, A. Zemaitaitis, *Kaunas University of Technology, Lithuania*
[B2.1.114]	M.	Sacilotti	**Nanomaterial's growth and some of its utilisation** M. Sacilotti*, P. Cheyssac, G. Patriarche, M.E. Gomes, D. Chaumont, A.M. Lazar, *Université de Bourgogne, France*
[B2.1.115]	E.	Sano	**CNT nano-internet: Carbon nanotube/cellulose composite paper for electromagnetic interference shielding** E. Sano*[1], K. Akiyama[2], M. Imai[2], *[1]Hokkaido University, Japan, [2]Tokushu Paper Co. Ltd., Japan*
[B2.1.116]	H.	Sardon	**Synthesis of covalently bonded polyurethane/silica nanoparticles in aqueous media** H. Sardon*[1], E. Bourgeat-Lami[2], M. Lansalot[2], L. Irusta[1], M.J. Fernandez-Berridi[1], *[1]University of Basque Country (UPV/EHU)-Polymat, Spain, [2]Université de Lyon, France*
[B2.1.117]	F.	Aldeek	**Ligand influence on the growth and quality of CdSe and CdTe nanocrystals prepared in the aqueous phase** F. Aldeek*[1], L. Balan[2], J. Lambert[1], R. Schneider[1], *[1]Nancy University, France, [2]Université de Haute Alsace, France*
[B2.1.118]	R.	Schneider	**Stable aqueous PAMAM-dendrons capped ZnO quantum dots and their use in bacterial cells imaging** R.O. Moussodia[1], L. Balan[2], C. Merlin[1], C. Mustin[1], R. Schneider*[1], *[1]Nancy-University, France, [2]Université de Haute Alsace, France*
[B2.1.119]	K.	Sears	**Fabrication and characterisation of nanofiltration membranes with carbon nanotube pores** K. Sears*, J. Schütz, C. Huynh, S. Hawkins, W. Humphries, *CSIRO Materials Science and Engineering, Australia*

[B2.1.120]	S.	Seki	**Properties of visible-light-driven photocatalyst structured ZnGa2O4 on ZnO fiber** S. Seki*[1], T. Sekizawa[1], T. Sato[2], Y. Sawada[3], T. Shishido[4], T. Komeda[4], *[1]Sendai National College of Technology, Japan, [2]Miyagi National College of Technology, Japan, [3]Tokyo Polytechnic University, Japan, [4]Tohoku University, Japan*
[B2.1.121]	A.P.	Soldatov	**Carbon nanotubes from graphenes in the pores of inorganic membranes and their hydrogen adsorption properties** A.P. Soldatov*, O.P. Parenago, *Russian Academy of Science, Russia*
[B2.1.122]	J.L.C.	Sousa	**Polyoxometalate-supported nanostructured materials as oxidative heterogeneous catalysts** J.L.C. Sousa*, I.C.M.S. Santos, M.M.Q. Simões, J.A.S. Cavaleiro, H.I.S. Nogueira, A.M.V. Cavaleiro, *University of Aveiro, Portugal*
[B2.1.123]	T.	Suteewong	**Synthesis of mesoporous silica nanoparticles incorporating magnetic nanoparticles** T. Suteewong*[1], J. Lee[1,2], A. Burns[1], E. Herz[1], U. Wiesner[1], *[1]Cornell, USA, [2]Pohang University of Science and Technology, Korea*
[B2.1.124]	P.	Taboada	**Block copolymer-mediated synthesis of size-tunable gold nanoplates** P. Taboada*, S. Goy, E. Castro, J. Juárez, A. Cambón, V. Mosquera, *Universidad de Santiago de Compostela, Spain*
[B2.1.125]	T.	Teranishi	**Unique optical and electronic properties of macrocyclic π-conjugated ligand-protected gold nanoparticles** T. Teranishi, *University of Tsukuba, Japan*
[B2.1.126]	I.S.	Tereshina	**The effect of structural state on the magnetic properties of R-Fe-B alloys** I.S. Tereshina*, G.S. Burkhanov, O.D. Chistyakov, *Baikov Institute of Metallurgy and Material Science RAS, Russia*
[B2.1.127]	R.K.	Tiwari	**A novel synthesis of magnetic SiC nanowires via precursor route** R. Mishra, R.K. Tiwari*, A.K. Saxena, *DMSRDE, India*
[B2.1.128]	T.T.M.T.	Ton-That	**Functionalization of nanoparticles for polymer nanocomposites** T.T.M.T. Ton-That*[1,2], L.W. Leelapornpisit[1], C.K. Cole[1], *[1]National Research Council Canada, Canada, [2]Concordia University, Canada*
[B2.1.129]	G.	Ungar	**3-D ordered gold strings by coating nanoparticles with mesogens** X.B. Zeng[1], L. Cseh[2], F. Liu[1], A.G. Fowler[1], G.H. Mehl[2], G. Ungar*[1], *[1]University of Sheffield, UK, [2]University of Hull, UK*
[B2.1.130]	F.Kh.	Urakaev	**Preparation of carbon-copper-diamond nanocomposite materials using abrasive wear technique** F.Kh. Urakaev*, I.V. Savchenko, V.S. Shevchenko, S.V. Stankus, N.F. Uvarov, *RAS, Russia*
[B2.1.131]	M.S.	Vasilyeva	**Nanostructured objects in oxide coating: Formation and research of surface** N.B. Kondrikov[1], M.S. Vasilyeva*[1], E.V. Shchitovskaya[1], V.S. Rudnev[1], V.G. Kuravy[1], *[1]Far Eastern National University, Russia, [2]Far Eastern Division of RAS, Russia*
[B2.1.132]	L.	Vekas	**Nano-microstructured high magnetization complex fluids** L. Vekas*[1], D. Susan-Resiga[2], A. Han[2], N.C. Popa[1], T. Boros[3], *[1]Romanian Academy, Romania, [2]University Politehnica Timisoara, Romania, [3]ROSEAL Co. Odorheiu Secuiesc, Romania*
[B2.1.133]	S.	Iannotta	**Hybrid nanostructures synthesized by supersonic molecular and cluster beams: The perspective of sensing devices exploiting their novel functional properties** S. Iannotta*[1,2], N. Coppedé[1], M. Nardi[1], T. Toccoli[1], R. Verucchi[1], *[1]IFN-CNR, Italy, [2]IMEM-CNR, Italy*
[B2.1.134]	C.	Warakulwit	**Simple route to synthesize gold decorated carbon nanotubes using electro- or electroless deposition** C. Warakulwit*[1], M.H. Delville[2], Z. Li[3], J. Limtrakul[1], A. Kuhn[4], *[1]Kasetsart University, Thailand, [2]ICMCB, France, [3]Chinese Academy of Sciences, China, [4]Université Bordeaux 1, France*
[B2.1.135]	Z.	Wenyong	**Self-ordering of FePt nanostructure enhanced by Cr and Cu additives** Z. Wenyong*, S. Hiyashi, T. Fumiyoshi, A. Hiyoyuki, Y. Xiuzhen, M. Yoshio, *Nanotechnology Research Institute, Japan*
[B2.1.136]	H.	Wondraczek	**Novel polysaccharide-based nanoparticles** T. Heinze, H. Wondraczek*, S. Hornig, *Friedrich Schiller University Jena, Germany*
[B2.1.137]	T.F.	Wu	**Preparation and characterization of carbon-modified TiO2 photocatalyst by microwave-assisted hydrothermal method** T.F. Wu*, R.A. Doong, *National Tsing Hua University, Taiwan*
[B2.1.138]	X.	Xiang	**Growth of multi-walled carbon nanotubes over a novel layered double hydroxide/carbon hybrid composite** X. Xiang*, L. Bai, F. Li, *Beijing University of Chemical Technology, China*
[B2.1.139]	X.	Xie	**Functional materials from emulsion matrix** X. Xie*, H. Zhou, S. Yan, *Anhui University of Science and Technology, China*
[B2.1.140]	H.	Yan	**Colloidal dispersion of SrTiO3 nanoparticles with high dielectric constant** H. Yan*, T. Jo, H. Okuzaki, *University of Yamanashi, Japan*
[B2.1.141]	H.Y.	Yue	**Fabrication and gas sensitivity of TiO2 nanotubes for toluene gas** H.Y. Yue*[1], J.S. Huh[2], W.D. Fei[1], S.L. Zhang[2], S.J. Oh[2], *[1]Harbin Institute of Technology, China, [2]Kyungpook National University, Korea*

[B2.1.142]	Y.	Zhang	**Copper clusters formed on a thiophene mediated Si(111)-(7×7) surface by molecular anchor linkage** Y. Zhang*, G.Q. Xu, *National University of Singapore, Singapore*
[B2.1.143]	S.	Hu	**Carbon nanotubes composite film obtained through well-controlled electropolymerization and its application in detecting nitrite** D. Zheng[1,2], C. Hu[1], Y. Peng[1], S. Hu*[1,2], *[1]Wuhan University, China, [2]Chinese Academy of Sciences, China*
Symposium C – Foams			
[C2.1.01]	P.	Dagur	**Porous silicones using water/silicone emulsions** P. Dagur*[1,2], R. Verplancke[1,2], J. Missinne[1,2], F. Axisa[1,2], J. Vanfleteren[1,2], *[1]Ghent University, Belgium, [2]IMEC, Belgium*
[C2.1.02]	M.	Dentini	**Synthesis and characterization of novel highly porous biomaterials based on alginate** E. Barigelli, A. Barbetta, M. Dentini*, *Sapienza Università di Roma, Italy*
[C2.1.03]	M.	Dentini	**Two different routes for the production of highly porous scaffolds for tissue engineering applications** B. Di Rosario[1], A. Barbetta[1], M. Massimi[2], L. Conti Devirgiliis[2], M. Dentini*[1], *[1]Sapienza Università di Roma, Italy, [2]Università de L'Aquila, Italy*
[C2.1.04]	O.K.	Kamynina	**SHS of porous Ti-based functional materials** O.K. Kamynina*, A.E. Sytschev, S.G. Vadchenko, A.S. Rogachev, L.M. Umarov, *Russian Academy of Sciences, Russia*
[C2.1.05]	I.N.	Orbulov	**Effect of temperature and aspect ratio on the compression behaviour of aluminium based syntactic foams** I.N. Orbulov*[1], Á. Németh[1], J. Dobránszky[2], *[1]Budapest University of Technology and Economics, Hungary, [2]Research Group for Metals Technology of the Hungarian Academy of Sciences, Hungary*
[C2.1.06]	C.S.	Peyratout	**Thermal properties of porous mineral foams synthesized through an emulsion process** C.S. Peyratout*, A. Beismann, A. Michot, C. Poulier, G. Visomblin, D.S. Smith, *Ecole Nationale Supérieure de céramique Industrielle, France*
[C2.1.07]	E.	Prud'homme	**Consolidated geomaterial foams synthetized by clays geopolymerisation in alkaline solution** E. Prud'homme*, P. Michaud, S. Rossignol, *GEMH-ENSCI, France*
[C2.1.08]	S.J.	Salam	**Determination of dynamic coefficients for structural expanded-polypropylene (EPP) and poly rethane rigid (Pu) foams under low- velocity impact** S.J. Salami*, S.A. Sadough, M. Sadighi, *Amirkabir University of Technology, Iran*
[C2.1.09]	J.C.H.	Wong	**Piezoelectric polymeric electrets from PVDF particle-stabilized foams** J.C.H. Wong*, S. Busato, E. Tervoort, L.J. Gauckler, P. Ermanni, *ETH-Zurich, Switzerland*
Symposium C – Hierarchically Structured Materials			
[C2.2.01]	S.	Altmaier	**Hierarchically porous monolithic silica materials: Sol-gel synthesis and application in chromatography** S. Altmaier*, K. Cabrera, *Merck KgaA, Germany*
[C2.2.02]	A.	Bonilla	**Partial detemplation-desilication: A novel approach to hierarchical zeolites with tunable micro and mesoporosity** S. Abelló[1], A. Bonilla*[1], J.C. Groen[2], J. Pérez-Ramírez[1,3], *[1]Institute of Chemical Research of Catalonia, Spain, [2]Delft Solids Solutions, The Netherlands, [3]Catalan Institution for Research and Advanced Studies, Spain*
[C2.2.03]	N.	Brun	**Macrocellular silica si(HIPE) foams templating micro-macroporous partially graphitized carbonaceous monoliths** N. Brun*[1,2], G. Pécastaing[3], A. Derré[1], A. Soum[3], C. Sanchez[4], R. Backov[1], *[1]Centre de Recherche Paul Pascal, France, [2]Institut des Sciences Moléculaires, France, [3]Laboratoire de Chimie des Polymères Organiques, France, [4]Laboratoire de Chimie de la Matière Condensée de Paris, France*
[C2.2.04]	V.	Coulic	**The use of chitosan in oesophageal defect replacement (first experimental results)** V. Coulic*[1], V. Maquet[2], P. Delrée[3], C. Deprez[1], E. Dekoster[1], *[1]CHU Brugmann, ULB, Belgium, [2]Kitozyme, Belgium, [3]IRSPG, Belgium*
[C2.2.05]	F.	de Clippel	**Molecular sieving properties in silica-carbon composites** F. de Clippel*[1], A. Harkiolakis[1], P.A. Jacobs[1], J. Denayer[2], B. Sels[1], *[1]KULeuven, Belgium, [2]VUBrussel, Belgium*
[C2.2.06]	J.F.	Dechezelles	**Elaboration of colloidal photonic crystals with a well defined architecture** J.F. Dechezelles*[1,2], R. Vallee[1], E. Cloutet[2], H. Cramail[2], S. Ravaine[1], *[1]Centre de Recherche Paul Pascal, France, [2]Laboratoire de Chimie des Polymères Organiques LCPO, France*
[C2.2.07]	F.	del Monte	**A biocompatible bottom-up route for preparation of hierarchical hybrid and bio-hybrid materials** F. del Monte*, M.L. Ferrer, M.C. Gutierrez, *CSIC, Spain*
[C2.2.08]	J.	Drews	**Self-activated, self-limiting reactions on Si surfaces** P. Morgen, J. Hvam, J. Drews*, A. Bahari, J.B. Pedersen, *University of Southern Denmark, Denmark*

[C2.2.09]	S.	Fleutot	**A new approach (XPS / Quantum calculations) to investigate chemical bonds into hybrid LDHs/benzene derivatives materials** J.C. Dupin[1], S. Fleutot*[1], I. Baraille[1], C. Forano[2], H. Martinez[1], D. Gonbeau[1], *[1]University of Pau, France, [2]University Blaise Pascal, France*
[C2.2.10]	C.	Forano	**Colloidal crystals as template for porous layered double hydroxides** V. Prevot[1], C. Forano*[1], F. Leroux[1], C. Mousty[1], E. Scavetta[2], B. Ballarin[2], *[1]Université Blaise Pascal, France, [2]Università degli Studi di Bologna, Italy*
[C2.2.11]	S.J.	Hwang	**Lattice engineering route to mesoporous transition metal oxide nanohybrids with visible light photocatalytic activity** S.J. Hwang, *Ewha Womans University, Korea*
[C2.2.12]	M.	Lomoschitz	**Highly porous mixed oxide sol-gel films with double organic functionality and hierarchically ordered pore sizes** M. Lomoschitz*, U. Schubert, *University of Technology Vienna, Austria*
[C2.2.13]	J.M.	Nedelec	**Multi-scale characterization of porosity in hybrid materials using a calorimetric approach** A. Hardy-Dessources[1], H. Elimelech[2], S. Hartmann[3], N. Hüsing[3], D. Avnir[2], J.M. Nedelec*[1], *[1]Université Blaise Pascal, France, [2]The Hebrew University of Jerusalem, Israel, [3]University of Ulm, Germany*
[C2.2.14]	E.V.	Polyakov	**Comparative photocatalytic activity of titanium oxo-hydroxides** E.V. Polyakov*, L.Y. Buldakova, V.N. Krasilnikov, M.Y. Yanchenko, A.P. Shtin, G.P. Shveikin, *UB RAS, Russia*
[C2.2.15]	P.	Rabu	**Functional multilayers alternating molecular metal complexes and transition metal hydroxide spin layers** E. Delahaye[1], S. Eyele-Mezui[1], M. Diop[1], J.F. Bardeau[2], P. Rabu*[1], G. Rogez[1], *[1]Université de Strasbourg, France, [2]Université du Maine, France*
[C2.2.16]	P.	Rodriguez	**Coating structured objects with catalysts** P. Rodriguez*, V. Meille, S. Pallier, *CNRS - CPE Lyon, France*
[C2.2.17]	J.C.	Suarez	**Design of a hierarchically structured hybrid material with high specific energy absorption capability and damage tolerance** J.C. Suarez*, P. Pinilla, S. Miguel, F. Lopez, J.M. Ruiz, L.E. Garcia, *Universidad Politecnica de Madrid, Spain*
[C2.2.18]	N.	Tonanon	**The effect of ultrasonic irradiation on interconnected macroporous RF monolithic gel** A. Siyasukh, N. Tonanon*, T. Charinpanitkul, W. Tanthapanichakoon, *Chulalongkorn University, Thailand*
[C2.2.19]	J.	Vacik	**Thin film composites based on fullerenes and transitional metals** J. Vacik*[1], V. Lavrentiev[1], V. Vorlicek[1], L. Juha[1], L. Bacakova[1], K. Narumi[2], *[1]ASCR, Czech Republic, [2]Japan Atomic Energy Agency, Japan*
[C2.2.20]	P.	Vroman	**Development of multifunctional fibrous materials** F. Rault, P. Vroman*, M. Lewandowski, X. Deng, E. Devaux, *ENSAIT-GEMTEX, France*
[C2.2.21]	M.	Weinberger	**Temperature dependence of the gel formation of the glycolated ethane-bridged silane in the presence of pluronic P123** M. Weinberger*[1,2], S. Puchegger[1], N. Hüsing[2], H. Peterlik[1], *[1]University of Vienna, Austria, [2]Ulm University, Germany*
[C2.2.22]	S.B.	Xiang	**Novel silicon oxynitride loop-like structure grown over si substrate via a thermal nitridation-oxidation reaction** S.B. Xiang*[1,2], X. Xiang[3], *[1]Zhengzhou Institute of Light Industry, China, [2]Key Laboratory of Informationization and Electric Apparatus of Henan Province, China, [3]Beijing University of Chemical Technology, China*

POSTER SESSION 3
Tuesday 17th March, 12:00 – 13:30

Poster Number	Poster Presenter		Title, Authors & Affiliations
Symposium A - Green Materials			
[A3.1.01]	N.	Brun	**New generation of hybrid multifunctional macro-mesocellular foams and associated catalytic properties** N. Brun*[1,2], A. Babeau[1], P. Hesemann[3], C. Sanchez[4], H. Deleuze[2], R. Backov[1], *[1]Centre de Recherche Paul Pascal, France, [2]Institut des Sciences Moléculaires, France, [3]Institut Charles Gerhardt, France, [4]Laboratoire de Chimie de la Matière Condensée de Paris, France*
[A3.1.02]	B.	Casal	**Solid base supports for fine chemicals reactions activated by focalized Mw: A contribution to green chemistry** B. Casal*[1,2], E. Perozo-Rondón[2,3], M.A. Martín-Luengo[2], R.M. Martín-Aranda[3], *[1]National Center for Metallurgical Research, Spain, [2]Materials Science Institute, Spain, [3]Facultad de Ciencias, Spain*
[A3.1.03]	M.	Chalid	**Towards 'bio-based' polyester: Ring opening of gamma valerolactone with amine compounds at mild conditions** M. Chalid*[1], A.A. Broekhuis[2], H.J. Heeres[2], *[1]University of Indonesia, Indonesia, [2]University of Groningen, The Netherlands*

[A3.1.04]	K.	Dean	**Hybrid biodegradable poly(lactic acid) (PLA) systems developed via alcoholysis, anhydride and free radical-based reactive extrusion processes** K. Dean*[1], S. Petinakis[1], S. Meure[1], L. Yu[1], J. Mardel[2], S. Powys[3], *[1]CSIRO Materials Science and Engineering, Australia, [2]CSIRO Molecular Health Technologies, Australia, [3]Monash University, Australia*
[A3.1.05]	L.J.L.	Diaz	**Abaca fiber/unsaturated polyester composite: Investigating fiber-matrix interaction through wettability measurements** S.T.C. Hagad, T.K.G. Reyes, K.M.J. Rafols, L.J.L. Diaz*, *University of the Philippines, The Philippines*
[A3.1.06]	S.O.	Han	**The effects of surface properties of natural fibers irradiated by electron beam on the mechanical and thermal properties of green composites** S.O. Han*, H.Y. Choi, N.J. Chung, H.S. Kim, Y.J. You, *Korea Institute of Energy Research, Korea*
[A3.1.07]	O.K.	Kamynina	**SHS-produced porous materials for hybrid implants** O.K. Kamynina*[1], A.E. Sytschev[1], S.G. Vadchenko[1], I.G. Plashchina[1], I.I. Selezneva[1], A.S. Grigor'yan[2], *[1]Russian Academy of Sciences, Russia, [2]Central Research Institute of Stomatology and Maxillo-Facial Surgery of Federal Agency for High-Technology Medical Care, Russia*
[A3.1.08]	H.	Kubota	**Effective feed method and screw segment type in extruding process of bamboo fiber reinforced polypropylene** H. Kubota*, T. Fujii, *Doshisha University, Japan*
[A3.1.09]	M.	Litschauer	**Confinement of 1-butyl-3-methylimidazolium nitrate in metallic silver** M. Litschauer*, M.A. Neouz, *Vienna University of Technology, Austria*
[A3.1.10]	S.	Mahalingam	**Electrohydrodynamic deposition of N-doped TiO2 thin films** S. Mahalingam*, M.J. Edirisinghe, *University College London, UK*
[A3.1.11]	A.	Mahmoudzadeh	**Invitro evaluation of cytotoxicity and elemental release of three types of nickel – chromium base metal alloys(short term)** M.A. Saghiri[1], S.K. Sadrnezhaad[2], N. Bahramian[3], M. Lotfi[4], A. Mahmoudzadeh*[1], *[1]Islamic Azad University, Iran, [2]Sharif University, Iran, [3]Azad University, Iran, [4]Tabriz University of Medicine, Iran*
[A3.1.12]	C.A.	Nicolae	**An investigation on the shape memory effects of biodegradable polymers** C.A. Nicolae*, R. Gabor, M. Grigorescu, *National Research & Development Institute for Chemistry and Petrochemistry, Romania*
[A3.1.13]	C.A.	Nicolae	**An investigation on the shape memory effects of biodegradable polymers** C.A. Nicolae*, R. Gabor, M. Grigorescu, *National Research & Development Institute for Chemistry and Petrochemistry - ICECHIM, Romania*
[A3.1.14]	K.	Schwikal	**Adsorption of modified Xylan onto cellulose surfaces and their use as paper additive** K. Schwikal*[1], T. Heinze[1], B. Saake[2], A. Kaya[3], A.R. Esker[3], *[1]Friedrich Schiller University Jena / TITK-Rudolstadt, Germany, [2]Johann Heinrich von Thünen Institute, Germany, [3]Virginia Polytechnic Institute and State University, USA*
[A3.1.15]	W.	Teoh	**Removal of cadmium (II) through biosorption by calcium alginate biopolymer** W. Teoh*, K. Kitayama, M. Kobayashi, K. Sato, *Nagaoka University of Technology, Japan*
[A3.1.16]	N.	Teramoto	**Preparation and properties of fish collagen peptide-based hydrogel prepared by photopolymerization in the presence of imogolite nanofibers** N. Teramoto*, K. Yamanaka, A. Sakiyama, A. Nakano, M. Shibata, *Chiba Institute of Technology, Japan*
[A3.1.17]	M.	Tognonvi	**Manufacturing of granular materials consolidated by recycled or commercial sodium silicate solution** S.S. Kouassi, M. Tognonvi*, J. Soro, S. Rossignol, J.P. Bonnet, *GEMH-ENSCI, France*
[A3.1.18]	A.	Venault	**Elaboration of a composite biomaterial made of chitosan and active carbon for medical applications** A. Venault*[1], L. Vachoud[2], C. Pochat[1], D. Bouyer[1], C. Faur[1], *[1]Université Montpellier 2, France, [2]Université Montpellier 1, France*
[A3.1.19]	P.	Vengidesh	**SEM structural studies on hydrogel prepared by electron beam irradiation from sago waste** P. Vengidesh*[1], S.J. Langford[2], M. Ahmad[3], K. Hashim[4], *[1]Monash University, Malaysia, [2]Monash University, Australia, [3]University Putra Malaysia, Malaysia, [4]Malaysian Nuclear Agency, Malaysia*
SYM A - Synthetic/Biopolymer Conjugates			
[A3.2.01]	M.	Bertoldo	**Preparation of gelatine based hybrid materials by isocyanate coupling reaction** M. Bertoldo*[1], F. Cognigni[2], S. Bronco[1], F. Ciardelli[1,2], *[1]Polylab-CNR-INFM, Italy, [2]Università di Pisa, Italy*
[A3.2.02]	P.F.	Builders	**Preparation and characterization of mucinated cellulose microparticles for therapeutic and drug delivery purposes** P.F. Builders*[1], M.U. Adikwu[3], O.O. Kunle[1], A.A. Attama[3], L.C. Okpako[2], *[1]National Institute for Pharmaceutical Research and Development, Nigeria, [2]University of Bradford, UK, [3]University of Nigeria, Nigeria*

[A3.2.03]	J.M.A.	Caiut	**Transparent bacterial cellulose / boehmite-silicate hybrids in drug delivery** J.M.A. Caiut*[1,2], C.M. Caliri[1], H.S. Barud[1], Y. Messaddeq[1], J. Dexpert-Ghys[2], S.J.L. Ribeiro[1], *[1]São Paulo State University, Brazil, [2]Centre d'Elaboration de Materiaux et d'Etudes Structurales, France*
[A3.2.04]	Y.G.	Chen	**Hybrid molecules of HA and collagen II as the based material for cartilage repair** Y.J. Wang, F.F. Wang, Y.G. Chen*, *National Yang Ming University, Taiwan*
[A3.2.05]	F.	Di Renzo	**Stabilisation of chitosan-zeolite composites by formation of a hybrid network** A. Djelad[1,2], A. Morsli[3], M. Robitzer[1], A. Bengueddach[2], F. Di Renzo*[1], F. Quignard[1], *[1]Institut Charles Gerhardt Montpellier, France, [2]Université Oran Es-Senia, Algeria, [3]Département de Chimie, Algeria*
[A3.2.06]	R.	Iwaura	**Sequence-selective quaternary self-assembly of a thymidylic acid-appended bolaamphiphile and DNA as templates** R. Iwaura*[1,2], M. Ohnishi-Kameyama[1], T. Shimizu[3,4], *[1]National Agriculture and Food Research Organization, Japan, [2]Japan Science and Technology Agency, Japan, [3]National Institute of Advanced Industrial Science and Technology, Japan, [4]Japan Science and Technology Agency, Japan*
[A3.2.07]	V.V.	Jerca	**2-hydroxyethyl methacrylate microspheres by dispersion polymerization stabilized with novel vinylsilane-oxazoline macromonomers** V.V. Jerca*[1], A.F. Nicolescu[1], A.M. Albu[1,2], D.M. Vuluga[1], *[1]Romanian Academy, Romania, [2]University "POLITEHNICA" of Bucharest, Romania*
[A3.2.08]	M.	Karayianni	**Bio-organic protein/polyelectrolyte hybrids: hen egg white lysozyme complexes with sodium (sulfamate-carboxylate) isoprene polyelectrolytes** M. Karayianni*, G. Mountrichas, S. Pispas, G.D. Chryssikos, V. Gionis, *National Hellenic Research Foundation, Greece*
[A3.2.09]	Y.T.	Lim	**Multifunctional polymer nanoparticles for the labelling and tracking of immunotherapeutic cells** Y.T. Lim*, B.H. Chung, *KRIBB, Korea*
[A3.2.10]	M.J.	Lopez-Tendero	**Poly(acrylamide) hydrogels for swelling response in alkaline pH ranges** S. Sanjuan, M.J. Lopez-Tendero*, J.M. Lloris, M. Cruz-Yusta, C. Silvestre, P. Calero, *AIDICO, Spain*
[A3.2.11]	K.	Pietrucha	**Diffusive properties of hybrid collagen derivative hydrogels for medical applications** K. Pietrucha*, M. Banas, *Technical University of Lodz, Poland*
[A3.2.12]	A.	Polcari	**Electrical and optical properties of DNA plasmids** A. Polcari*, M. Consales, P. Romano, L. Sabatino, V. Colantuoni, A. Cutolo, *Università del Sannio, Italy*
[A3.2.13]	M.	Popa	**Designing of new bioconjugates antiviral drugs** I. Carlescu[1], H. Osborn[2], C. Uglea[3], D. Scutaru[1], M. Popa*[1], *[1]"Gh. Asachi" Technical University of Iasi, Romania, [2]University of Reading, UK, [3]"Gr. T. Popa" University of Medicine and Pharmacy of Iasi, Romania*
[A3.2.14]	M.	Popa	**New organic-inorganic hybrids based on anionic polysaccharides** S. Vasiliu[1], S. Racovita[1], V. Neagu[1], M. Popa*[2], *[1]"Petru Poni" Institute of Macromolecular Chemistry of Iasi, Romania, [2]"Gh. Asachi" Technical University of Iasi, Romania*
[A3.2.15]	J.	Schaller	**Advanced polysaccharide derivatives for special applications** J. Schaller*[1], F. Meister[1], T. Heinze[2,1], *[1]TITK, Germany, [2]Friedrich Schiller University Jena, Germany*
[A3.2.16]	M.	Schöbitz	**Novel cellulose derivatives – dendronization of cellulose** M. Schöbitz*[1,2], M. Pohl[1,2], T. Heinze[1,2], F. Meister[2], *[1]Friedrich Schiller University of Jena, Germany, [2]Thuringian Institute of Textile and Plastics Research, Germany*
[A3.2.17]	A.	Torres	**Core shell nanoparticles elaborated with biopolymer chitosan** A. Torres*, M. Garza, V. Gonzalez, U. Ortiz, *Universidad Autonoma de Nuevo Leon, Mexico*
[A3.2.18]	M.A.	Villa-García	**Adsorption of whey proteins by organo-kaolinite hybrid materials** M.A. Villa-García*, R. Silva, M. Rendueles, M. Díaz, *University of Oviedo, Spain*
[A3.2.19]	V.	Krasovskiy	**Nanobiosensor - rabbit immunoglobulin G and single walled carbon nanotubes - for quantitative and qualitative determinations of specific protein** G.K. Chudinova[1], I.A. Nagovitsyn[1], A.L. Myasnikov[1], A.G. Botikov[2], V. Krasovskiy*[1], *[1]RAS, Russia, [2]RAMS, Russia*
[A3.2.20]	M.V.	Voinova	**Photoelectromechanics of biomimetic azobenzene polymers** M.V. Voinova*, M. Jonson, *Göteborg University, Sweden*
[A3.2.21]	D.M.	Vuluga	**Thermal degradation of some cellulose-containing composites** D.M. Vuluga*[1], N.D. Stanciu[1], A.M. Albu[1,2], Z. Vuluga[3], D.M. Panaitescu[3], *[1]Romanian Academy, Romania, [2]University "POLITEHNICA" of Bucharest, Romania, [3]National Institute for R&D in Chemistry and Petrochemistry, Romania*
[A3.2.22]	J.H.	Yun	**Preparation of alginate polyurethane hybrid materials and their physical, chemical and mechanical properties** J.H. Yun*[1], T.S. Pathak[1], K.P. Kim[2], S.J. Lee[3], K.J. Paeng[1], *[1]Yonsei University, Korea, [2]Korea Institute of Science and Technology, Korea, [3]Kyungsung University, Korea*

[A3.2.23]	G.	Zampano	**"Click" functionalization and crosslinking of azide-modified chitosan and N-phthaloyl-chitosan** G. Zampano*[1], M. Bertoldo[2], F. Ciardelli[1], *[1]Dipartimento di Chimica e Chimica Industriale, Italy, [2]PolyLab-CNR, Italy*
Symposium A			
[A3.3.01]	O.	Kufelt	**Polymer-based antibacterial coatings on differently modified glass surfaces** O. Kufelt*, P. Behrens, *Leibniz Universitat Hannover, Germany*
[A3.3.02]	B.	Lebeau	**Preparation of colloidal suspensions of boehmite nanoparticles and ribbon-like boehmite fibers in the presence of polyacrylate** Y. Mathieu, V. Valtchev, B. Lebeau*, *ENSCMu, France*
Symposium B - Polymer-Matrix Nanocomposites			
[B3.1.01]	A.S.	Abdulkareem	**Development of proton exchange membrane (PEM) from synthetic rubber and carbon nanoballs** A.S. Abdulkareem*[1], C.A. Idibe[1], A.S. Afolabi[1], S.E. Iyuke[1], H.C.V.Z. Piennar[1], *[1]University of the Witwatersrand, South Africa, [2]Vall University of Technology, South Africa*
[B3.1.02]	C.	Acikgoz	**Fabrication of freestanding polyethersulfone membranes by use of nanosphere lithography and an organometallic etch mask** C. Acikgoz*, X.Y. Ling, I.Y. Pang, M.A. Hempenius, J. Huskens, G.J. Vancso, *Mesa+, The Netherlands*
[B3.1.03]	M.	Ahmadifard	**Direct preparation of highly loaded nanosilica-epoxy nanocomposite with enhanced mechanical and thermal properties** M. Ahmadifard*[1], M. Keyanpour rad[1], *[1]Materials and Energy Research Centre, Iran*
[B3.1.04]	J.	Alvarado-Rivera	**Characterization of mechanical properties and viscoelastic behaviour by contact mechanics of SiO2-PMMA coatings** J. Alvarado-Rivera*, J. Muñoz-Saldaña, R. Ramírez-Bon, *Centro de Investigación y de Estudios Avanzados del IPN, Mexico*
[B3.1.05]	C.	Antonelli	**Interfacial phenomena in polymer-modified silica nanoparticle/epoxy hybrid nanocomposites** C. Antonelli*, V. San Miguel, B. Serrano, J.C. Cabanelas, J. Baselga, *Universidad Carlos III de Madrid, Spain*
[B3.1.06]	J.	Antonino de Souza	**Qualitative and quantitative analysis of nanocomposite dental materials by nanoindentation tests and microscopy modulation force** S. Souza Camargo Junior[1], J. Antonino de Souza*[1], R. Priori[2], C. Muniz Almeida[2], M. Dotto[2], *[1]Federal University of Rio de Janeiro, Brazil, [2]Catholic Pontific University of Rio de Janeiro, Brazil*
[B3.1.07]	V.	Antonucci	**Controlling the insulator-conductor transition in a fixed concentration MWNT epoxy composite** G. Faiella[1,2], V. Antonucci*[2], M. Giordano[2], *[1]Federico II University of Naples, Italy, [2]Insitute for Composite and Biomedical Materials - CNR, Italy*
[B3.1.08]	M.	Aparicio	**Hybrid organic-inorganic nanostructured membranes for high temperature proton exchange membranes fuel cells (PEMFC)** J. Mosa, A. Durán, M. Aparicio*, *Instituto de Cerámica y Vidrio, Spain*
[B3.1.09]	V.	Ball	**Post loading of nanoparticles and proteins in exponentially growing polyelectrolyte multilayer films** N. Ladhari[1,2], S. Srivastava[3], P. Podsiadlo[3], N.A. Kotov[3], V. Ball*[1,2], *[1]Institut National de la Santé et de la Recherche Médicale, France, [2]Université de Strasbourg, France, [3]University of Michigan, USA*
[B3.1.10]	M.	Barbadillo Pérez de Ayala	**Design of new electrochemical biosensors based on sol-gel hybrid composite materials and gold nanoparticles** M. Barbadillo Pérez de Ayala*[1], E. Casero[1], M.D. Petit-Dominguez[1], L. Vázquez[2], F. Pariente[1], E. Lorenzo[1], *[1]Universidad Autónoma de Madrid, Spain, [2]Instituto de Ciencia de Materiales de Madrid, Spain*
[B3.1.11]	B.	Bardakçı	**The conductivity properties of NaY/polythiophene composites synthesized in the presence of surfactant (DBSA)** B. Bardakçı*[1], S. Şen[1], A. Uygun[2], *[1]Mehmet Akif Ersoy University, Turkey, [2]Süleyman Demirel University, Turkey*
[B3.1.12]	A.	Bonnefond	**Preparation of waterborne adhesives containing exfoliated clay platelets** M. Micusik, A. Bonnefond*, M. Paulis, J.R. Leiza, *University of the Basque Country, Spain*
[B3.1.13]	A.	Boonmahitthisud	**Preparation and properties of natural rubber blended with polystyrene and silica encapsulated by polystyrene nanoparticles** S. Chuayjuljit, A. Boonmahitthisud*, *Chulalongkorn University, Thailand*
[B3.1.14]	H.	Borchert	**Composites of inorganic semiconductor nanocrystals and conjugated polymers for application in hybrid solar cells** H. Borchert*[1], F. Zutz[1], M.D. Heinemann[1], *[1]University of Oldenburg, Germany, [2]EWE-Forschungszentrum für Energietechnologie, Germany*
[B3.1.15]	T.	Boucheteau	**Composite proton-exchange membranes based on sulfonated or phosphonated polymer-grafted silica particles** F. Niepceron[1], T. Boucheteau*[2], H. Galiano[2], J. Bigarré[2], *[1]Laboratoire des Matériaux Macromoléculaires, France, [2]Commissariat à l'Energie Atomique, France*

[B3.1.16]	R.E.S.	Bretas	**Biodegradable poly(ε-caprolactone)/ montmorillonite nanocomposites: Electrospinning and characterization** M.C. Branciforti[1], J.G. Pimenta[1], L. Avérous[2], R.E.S. Bretas*[1], *[1]Federal University of Sao Carlos, Brazil, [2]University Louis Pasteur, France*
[B3.1.17]	N.	Brun	**Design of new hybrid polyvinyl alcohol/poly-aniline/vanadium oxide 1D-highly sensitive alcohol sensors bearing enhanced toughness** N. Brun*[1,2], J. Dexmer[1], C. Leroy[1], H. Sérier[1], N. Steunou[3], R. Backov[1], *[1]Centre de Recherche Paul Pascal, France, [2]Institut des Sciences Moléculaires, France, [3]Laboratoire de Chimie de la Matière Condensée de Paris, France*
[B3.1.18]	T.Y.	Chen	**Synthesis of metallic nanonetwork on PVP-PEG-silica hybrid materials through nano-channel confined Polyol reaction** T.Y. Chen*[1,2], T.J.M. Luo[2], Y. Choi[2], T.L. Lin[1], *[1]National Tsing Hua University, Taiwan, [2]North Carolina State University, USA*
[B3.1.19]	S.	Chuayjuljit	**Preparation of cassava starch/montmorillonite/PE wax/LDPE biodegradable nanocomposites** S. Chuayjuljit*, S. Hosililak, A. Athisart, K. Boonkerd, *Chulalongkorn University, Thailand*
[B3.1.20]	M.P.	Chun	**Microstructure and electrical properties of ceramic(BNT)-polymer(LCP) composite materials** M.P. Chun*, M.S. Park, J.H. Cho, J.H. Nam, B.I. Kim, *Korea Institute of Ceramic Engineering and Technology, Korea*
[B3.1.21]	E.	Coquelle	**Reinforcement of polystyrene microfibers by carbon nanotubes** E. Coquelle*, P. Brühwiler, *EMPA, Switzerland*
[B3.1.22]	S.	Curteanu	**Polydimethylsiloxane/silica composites containing rare earths: The use of soft computing methods for the fluorescence modelling** S. Curteanu*[1], A. Nistor[1], N. Curteanu[2], A. Airinei[3], M. Cazacu[3], *[1]"Gh. Asachi" Technical University Iasi, Romania, [2]Institute for Computer Science, Romania, [3]"Petru Poni" Institute of Macromolecular Chemistry, Romania*
[B3.1.23]	K.	Daimatsu	**Preparation and physical properties of transparent organic-inorganic nanohybrid materials containing nano-sized silica particles** K. Daimatsu*, H. Sugimoto, K. Inomata, E. Nakanishi, *Nagoya Institute of Technology, Japan*
[B3.1.24]	M.G.	De Angelis	**Characterization and modelling of the organic vapors transport of in mixed matrix membranes formed by amorphous teflon and fumed silica nanoparticles** M.C. Ferrari, M. Galizia, M.G. De Angelis*, G.C. Sarti, *Universita' di Bologna, Italy*
[B3.1.25]	M.F.	De Riccardis	**A novel method for preparing a thin layer of montmorillonite-epoxy composite by electrophoteric deposition** M.F. De Riccardis*[1], V. Martina[1], D. Carbone[1], M. Re[1], M.A. Tagliente[1], B. Bozzini[2], *[1]ENEA, Italy, [2]Università del Salento, Italy*
[B3.1.26]	V.	de Zea Bermudez	**Luminescent ionogels based on a class II host hybrid** M. Fernandes[1], V. de Zea Bermudez*[1], M. Armand[2], R.A. Sá Ferreira[3], L.D. Carlos[3], *[1]University of Trás-os-Montes e Alto Douro, Portugal, [2]Laboratoire de Réactivité et de Chimie des Solides, France, [3]University of Aveiro, Portugal*
[B3.1.27]	J.	Dong	**Polymerization-rendered polypropylene/clay nanocomposites: An in-reactor polymerization and properties** J. Dong, *The Chinese Academy of Sciences, China*
[B3.1.28]	E.	Espuche	**Polymer/metal nanocomposites films: From in situ nanostructuration process to specific gas transport properties** S. Clémenson, L. David, E. Espuche*, *Université de Lyon, France*
[B3.1.29]	A.	Etxeberria	**Transport properties through phenoxy resin and its clay nanocomposites** A. Etxeberria*, A. Gonzalez, M.A. Corres, J.J. Iruin, B. Perez Allende, *University of Basque Country UPV/EHU, Spain*
[B3.1.30]	S.	Fateixa	**Chemical strategies for the controlled synthesis of metal/polymer nanocomposites** S. Fateixa*, M.A. Martins, T. Trindade, *University of Aveiro, Portugal*
[B3.1.31]	M.M.	Favaro	**On-line optical monitoring of the crystallization of PP/PP-g-MA/MMT nanocomposites during injection molding** F. Moretti, M.M. Favaro*, M.C. Branciforti, R.E.S. Bretas, *Federal University of São Carlos, Brazil*
[B3.1.32]	M.M.	Favaro	**Study of the isothermal quiescent crystallization of PTT/MMT nanocomposites by DSC and PLOM analyses** M.M. Favaro*, B.T. Rego, M.C. Branciforti, R.E.S. Bretas, *Federal University of São Carlos, Brazil*
[B3.1.33]	A.	Fina	**Hybrid organic/inorganic polymers by one-step reactive blending** A. Fina*[1], G. Camino[1], O. Monticelli[2], P. Waghmare[2], A. Ullah[2], *[1]Politecnico di Torino, Italy, [2]Università di Genova, Italy*
[B3.1.34]	D.	Fischer	**New insights in the intercalation/exfoliation degree of nanofillers in polymer nanocomposites during extrusion by in-situ measurements** D. Fischer*[1], J. Müller[1], S. Kummer[1], K. Sahre[1], B. Kretzschmar[1], S. Große[2], *[1]Leibniz Institute of Polymer Research, Germany, [2]TOPAS GmbH, Germany*

[B3.1.35]	O.	García	**New solid-state laser based on nanohybrid POSS-copolymers** O. García*[1], R. Sastre[1], I. García-Moreno[2], V. Martín[2], A. Costela[2], *[1]Instituto de Ciencia y Tecnología de Polímeros, Spain, [2]Instituto de Química-Física Rocasolano, Spain*
[B3.1.36]	S.A.	Garea	**New reinforcing agents based on polyhedral oligomeric silsesquioxane (POSS) and layered silicates designed for epoxy systems** S.A. Garea*, F. Constantin, G. Voicu, H. Iovu, *Polytechic University of Bucharest, Romania*
[B3.1.37]	M.	Ghiurea	**Some morphological aspects for film nanocomposites based on polyvinyl alcohol-modified montmorillonite** M.C. Corobea[1], S.C. Beckmann[2], M. Ghiurea*[1], D. Donescu[1], C. Petcu[1], *[1]INCDCP-ICECHIM Bucharest, Romania,[2]University of Applied Science, Germany*
[B3.1.38]	D.	Giaume	**Nanoparticules in polymer composite for optical properties** D. Giaume*[1,2], S. Darguy[1,2], D. Carrière[3], P. Barboux[1,2], *[1]Laboratoire de Chimie de la Matière Condensée, France,[2]Ecole Nationale de Chimie de Paris, France,[3]Laboratoire LIONS CEA de Saclay, France*
[B3.1.39]	M.	Giordano	**Manufacturing and testing of a novel hybrid advanced composite laminate with increased damping performances** A. Martone[1,2], M. Giordano*[2], *[1]University of Naples "Federico II", Italy,[2]Instituto for Composite and Biomedical Materials-CNR, Italy*
[B3.1.40]	L.M.	Goldenberg	**Hybrid sol-gel based materials for holographic surface relief and volume structuring** L.M. Goldenberg*[1], O. Kulikovska[2], O. Sakhno[1], L. Kulikovsky[1], Y. Gritsai[1], J. Stumpe[2], *[1]Institute for Thin Film Technology and Microsensorics c/o, Germany, [2]Fraunhofer Institute for Applied Polymer Research, Germany*
[B3.1.41]	M.G.	González	**Modelling morphology development during curing of initially heterogeneous hybrid thermosets** M.G. González*, J.C. Cabanelas, J. Baselga, *University Carlos III of Madrid, Spain*
[B3.1.42]	F.	Graziola	**Tri-component inorganic-organic hybrid materials based on zirconium oxocluster as protective coatings for wood** F. Graziola*[1,2], S. Gross[1], R. Di Maggio[2], F. Girardi[2], K. Mueller[3], E. Callone[2], *[1]Università di Padova, Italy, [2]Università di Trento, Italy, [3]Universitat Stuttgart, Germany*
[B3.1.43]	J.	Grignard	**Preparation and properties of organic/inorganic hybrid nanocomposite materials from rubbery poly(ether imide) and silica** J. Grignard*[1], D. Roizard[1], E. Favre[1], J. Ghanbaja[2], *[1]CNRS-LSGC-ENSIC Nancy-Université, France,[2]Université Henri Poincaré, France*
[B3.1.44]	S.	Gross	**First example of chromium wheel-based hybrid inorganic-organic materials for functional dielectric applications** S. Gross*[1], G. Timco[2], V. Di Noto[1], S. Lavina[1], M. Rancan[1], R. Winpenny[2], *[1]Università di Padova, Italy, [2]The University of Manchester, UK*
[B3.1.45]	C.S.	Ha	**Preparation and characterization of polyimide/mesoporous silica hybrid nanocomposites** C.S. Ha*, T. Lee, S.S. Park, Y. Jung, *Pusan National University, Korea*
[B3.1.46]	C.S.	Ha	**Polynorbornene dicarboximides with hole transporting carbazole moieties and their silica-hybrid thin films for hole transporting layers of OLEDs** M.C. Choi, C.S. Ha*, *Pusan National University, Korea*
[B3.1.47]	M.	Han	**Multi-functional organic-inorganic hybrid coating materials by amphiphilic copolymers** M. Han*, J.I. Seo, *Korea Research Institute of Chemical Technology, Korea*
[B3.1.48]	S.H.	Hatamy	**Integrating cobalt nanostructures with organic conducting polymers for possible magnetic semiconductor applications** S.H. Hatamy*[1], V. Purohit[2], S.N. Kale[1], *[1]Fergusson College, India,[2]Centre National de la Recherche Scientifique, France*
[B3.1.49]	M.	Helen	**Heteropolyacid based hybrid membranes for DMFC applications** M. Helen*[1], B. Viswanathan[1], S. Srinivasa Murthy[2], *[1]National Centre for Catalysis Research, India,[2]Indian Institute of Technology Madras, India*
[B3.1.50]	V.	Hermán	**Preliminary study of nanostructures compounds of high density polyetyelen-hydroxyapatite (HDPE-HA)** V. Hermán*, A. Karam, C. Albano, Y. Sanchez, *Instituto Venezolano de Investigaciones Cientificas, Venezuela*
[B3.1.51]	K.	Hervé	**New stealth and magnetic polymeric nanovectors of doxorubicin** E. Munnier, K. Hervé*, H. Marchais, L. Douziech-Eyrolles, S. Cohen-Jonathan, I. Chourpa, *Université de Tours, France*
[B3.1.52]	X.	Hu	**Multifunctional TiO2 hybrid nanocomposites and nanostructures** T.R.B. Foong[1], Y.D. Shen[1], M.S. Yang[2], X. Hu*[1], *[1]Nanyang Technological University, Singapore,[2]Chinese Academy of Sciences, China*
[B3.1.53]	G.	Hu	**Exceptional mechanical properties of nanostructured hybrid materials** G. Hu*[1], C. Creton[1], F. Rodriguez[2], L. Rozes[2], C. Sanchez[2], *[1]UMR 7615 CNRS-UPMC-ESPCI, France,[2]Université P. et M. Curie, France*
[B3.1.54]	C.A.	Idibie	**Modification of polystyrene-butadiene rubber for proton exchange membrane fuel cell** C.A. Idibie*[1], A.S. Abdulkareem[1], S.E. Iyuke[1], L. Van Dyk[1], H.C.V.Z. Piennar[2], *[1]University of the Witwatersrand, South Africa,[2]Vaal University of Technology, South Africa*

[B3.1.55]	E.F.	Ioannou	**Effect of lithium salt concentration on the self-assembly of PEO-based block copolymer electrolytes** E.F. Ioannou*[1], K. Gatsouli[1], S. Pispas[1], E.I. Kamitsos[1], G. Floudas[2,3], *[1]National Hellenic Research Foundation, Greece, [2]University of Ioannina, Greece, [3]Foundation for Research and Technology Hellas, Greece*
[B3.1.56]	S.S.	Ivanchev	**Nanostructure features of new proton conducting membranes based on hybrid crosslinked polymers** S.S. Ivanchev*, O.N. Primachenko, S.J. Khaikin, S.V. Myakin, *Boreskov Institute of Catalysis, Russia*
[B3.1.57]	A.	Jung	**Nanocomposites with completely exfoliated layered silicates using a highly branched silica precursor polymer** K. Peter[1], A. Jung*[1], M. Moeller[1], D.E. Demco[1], X. Zhu[1], C. Melian[2], *[1]DWI at RWTH Aachen e.V., Germany, [2]Institute of Technical and Macromolecular Chemistry, Germany*
[B3.1.58]	M.	Kanesato	**Wavelength converting materials incorporating lanthanide complexes into polymer matrices** M. Kanesato*, K. Nagahara, K. Sato, S. Ishibe, M. Goto, *National Institute of Advanced Industrial Science and Technology, Japan*
[B3.1.59]	J.	Kang	**Novel nucleic acid diagnosing particles by the means of fluorescence resonance energy transfer (FRET)** J. Kang*, L. Dähne, *Surflay Nanotec GmbH, Germany*
[B3.1.60]	A.	Karkhaneh	**Effects of secondary polymer networks on nano/microcrack formation of oxygen plasma treated polydimethylsiloxane-based IPNs** A. Karkhaneh*, S. Movahed Bashiri, F. Mohamadpour Bagheri, *Islamic Azad University, Iran*
[B3.1.61]	S.	Kaskel	**Functional inorganic nanofillers in transparent polymers** S. Kaskel, *Technical University Dresden, Germany*
[B3.1.62]	P.	Kempe	**Nanocomposites and nanoporous materials by cationic ring-opening polymerization of a phenolic spiro-silicon-compound** P. Kempe*, S. Spange, A. Seifert, R. Lungwitz, *Chemnitz University of Technology, Germany*
[B3.1.63]	D.H.	Kim	**Surface plasmons and quantum dots enhanced photocatalytic and light emission properties of self-organized hybrid metal/quantum dot/block copolymer nanostructures** D.H. Kim*, D. Kannaiyan, S.T. Kochuveedu, M.A. Cha, Y.H. Jang, *Ewha Womans University, Korea*
[B3.1.64]	F.	Kovanda	**Preparation of polymethacrylate/layered double hydroxide nanocomposites** F. Kovanda*[1], E. Jindová[1], Z. Sedláková[2], *[1]Institute of Chemical Technology, Czech Republic, [2]Institute of Macromolecular Chemistry AS CR, v.v.i., Czech Republic*
[B3.1.65]	D.	Koziej	**Fabrication of self-supporting, transparent and UV absorbing composite films based on nanometer sized TiO2 and PMMA** D. Koziej*, F. Fischer, N. Kränzlin, W.R. Caseri, M. Niederberger, *ETH Zürich, Switzerland*
[B3.1.66]	B.	Krause	**Electrical resistivity of polyamide composites in dependence on the kind of carbon-nanotube** B. Krause*[1], P. Pötschke[1], M. Ritschel[2], A. Leonhardt[2], *[1]Leibniz Institute of Polymer Research, Germany, [2]Leibniz Institute for Solid State and Materials Research, Germany*
[B3.1.67]	F.	Lahoz	**Amplified spontaneous emission in hybrid waveguides formed by organic semiconductor thin films on porous silicon substrates** F. Lahoz*[1], N. Capuj[1], C.J. Oton[2], S. Cheylan[3], *[1]Universidad de La Laguna, Spain, [2]University of Southampton, UK, [3]Institut de Ciencies Fotoniques, Spain*
[B3.1.68]	M.	Lavorgna	**Hybrid-nanocomposite materials: Influence of morphology of inorganic domains on viscoelastic behavior** F. Piscitelli[1], G. Barra[2], L. Mascia[3], G. Mensitieri[1], M. Lavorgna*[4], *[1]University "Federico II", Italy, [2]IMAST Technological District on Polymeric and Composite Materials Engineering and Structures, Italy, [3]Loughborough University, UK, [4]National Research Council, Italy*
[B3.1.69]	Y.	Li.	**A facile approach to fabricate silica cross-linked magnetic copolymer nano-composites** D. Niu[1], Y. Li*[1], J. Shi[1,2], *[1]East China University of Science and Technology, China, [2]Chinese Academy of Sciences, China*
[B3.1.70]	X.	Liu-Maurer	**Synthesis and study of silica hydrogels with an embedded thermo sensitive PNiPAm-** N.K. Huesing, A. Khokhlov, G. Komarova, X. Liu-Maurer*, *Ulm University, Germany*
[B3.1.71]	E.	Logakis	**Electrical properties of epoxy nanocomposites reinforced by multi-wall carbon nanotubes** E. Logakis*[1], C.H. Pandis[1], P. Pissis[1], R. Kotsilkova[2], E. Ivanov[2], E. Krusteva[2], *[1]National Technical University of Athens, Greece, [2]Central Laboratory of Physico-Chemical Mechanics, Bulgaria*
[B3.1.72]	M.J.	Lopez-Tendero	**Organic-inorganic hybrid nanocomposite coatings for application in construction materials** C. Silvestre[1], M.J. Lopez-Tendero*[1], M. Cruz-Yusta[1], N. Baeza[1], C. Guillem[1], S. Sanjuan[1], *[1]AIDIDO, Spain, [2]University of Valencia, Spain*

[B3.1.73]	Y.	Lu	**Well-defined crystalline TiO2 nanoparticles generated and immobilized on a colloidal nanoreactor** Y. Lu*, M. Hoffmann, R. Sai Yelamanchili, M. Schrinner, J. Breu, M. Ballauff, *University of Bayreuth, Germany*
[B3.1.74]	W.A.K.	Mahmood	**Organic-inorganic composites from ENR-50 (epoxidized natural rubber)and titania: material characteristics of enr with titania/zirconia/mixture of TI & ZR** W.A.K. Mahmood*, C.K. Goh, K.H. Lok, *Universiti Sains Malaysia, Malaysia*
[B3.1.75]	Ö.	Malay	**Preparation of environment-friendly polyurethane/silica nanocomposites** Ö. Malay*[1], N.K. Apohan[2], A. Güngör[2], Y.Z. Menceloglu[1], *[1]Sabanci University, Turkey, [2]Marmara University, Turkey*
[B3.1.76]	R.	Mansouri	**Growth of ZnO nanostructures to investigating their antifungal character** R. Mansouri*, E. Arzi, *Tehran University, Iran*
[B3.1.77]	V.	Martina	**Formation of polyaniline/carbon nanotube composite materials by electrophoretic and electrochemical techniques** V. Martina*[1], M.F. De Riccardis[1], D. Carbone[1], M. Re[1], B. Bozzini[2], *[1]ENEA, Italy, [2]Università del Salento, Italy*
[B3.1.78]	M.A.	Martins	**Optical properties of CdSe QDs-poly(butylacrylate) nanocomposites** M.A. Martins*, R.S. Ferreira, A. Barros-Timmons, L.D. Carlos, T. Trindade, *University of Aveiro, Portugal*
[B3.1.79]	A.	Matei	**Characterization of the dispersion of ZnO nanoparticles in polymeric matrix** A. Matei*[1], I. Cernica[1], O. Cadar[2], C. Roman[2], V. Schiopu[1], *[1]National Institute for Research and Development in Microtehnologies, Romania, [2]Research Institute for Analytical Instrumentation, Romania*
[B3.1.80]	C.D.	Mayworm	**Production and properties of resin composites reinforced by nanoclay for dental application** F.L. Bastian, C.D. Mayworm*, *Federal University of Rio de Janeiro, Brazil*
[B3.1.81]	A.	Mehner	**Synthesis of titanium dioxide nanostructures by cationic polymerization of new titanium alcoholates** A. Mehner*, T. Rüffer, H. Lang, A. Pohlers, W. Hoyer, S. Spange, *Chemnitz University of Technology, Germany*
[B3.1.82]	I.	Mikonsaari	**NanoDirekt- new direct process for nanocomposites** I. Mikonsaari*[1], S. Lüssenheide[1], E. Bosch[1], M. Kreitmeier[4], A. Zanki[2], J. Metzger[3], *[1]Fraunhofer Institute for Chemical Technology, Germany, [2]Bada AG, Germany, [3]Coperion Werner & Pfleiderer GmbH, Germany, [4]Viscotec Pumpen- und Dosiertechnik GmbH, Germany*
[B3.1.83]	E.	Minko	**Hyperbranched polyimides containing silica** E. Minko*, P. Sysel, M. Hauf, *Institute of Chemical Technology, Czech Republic*
[B3.1.84]	M.	Mizuhata	**Design of catalytic layer of PEFC and the effect on inhibition of catalyst particle dispersion into polymer electrolyte membrane** M. Mizuhata*, K. Matsumoto, Y. Miyachi, M. Oga, S. Deki, *Kobe University, Japan*
[B3.1.85]	M.C.	Neves	**Pigmentation of cellulosic fibers using iron (III) oxide nanophases** M.C. Neves*, C.P. Neto, T. Trindade, *University of Aveiro, Portugal*
[B3.1.86]	A.F.	Nicolescu	**Nanoscale structured organic-inorganic polymers from acrylate monomers and silane derivatives** A.F. Nicolescu*[1], V.V. Jerca[1], A.M. Albu[1,2], D.M. Vuluga[1], *[1]Romanian Academy, Romania, [2]University "POLITEHNICA" of Bucharest, Romania*
[B3.1.87]	R.	Nuisin	**Chitosan/titanium dioxide nanocomposites film prepared by a solution casting methods** P. Norranarttrakul, K. Siralertmukul, R. Nuisin*, *Chulalongkorn University, Thailand*
[B3.1.88]	N.	Ouis	**Effect of maghnite on thermal stability of PANI–clay nanocomposites** N. Ouis*[1], N. Benharrats[2], S. Mesli[2], M. Belbachir [1], *[1]University of Oran Es-Senia, Algeria, [2]University of Science and Technology Oran, Algeria*
[B3.1.89]	T.	Phan	**Synthesis of PBA-b-PMMA block copolymers by nitroxide mediated polymerization and their application to PMMA-titania hybrid materials** T. Phan*, D. Bertin, D. Gigmes, *University of Provenve, France*
[B3.1.90]	A.	Piegat	**Morphology assessment of polyester-TiO2 nanocomposites** A. Piegat*, M. El Fray, *Szczecin University of Technology, Poland*
[B3.1.91]	R.J.B.	Pinto	**Electrostatic assembly and growth of gold nanoparticles in cellulosic fibres** R.J.B. Pinto*, P.A.A.P. Marques, M.A. Martins, C.P. Neto, T. Trindade, *University of Aveiro, Portugal*
[B3.1.92]	A.A.	Pud	**The synthesis and properties of hybrid CdS(CdSe)-polyvinylidene fluoride nanocomposites** A.A. Pud*[1], O.P. Dimitriev[1], Y.V. Noskov[1], *[1]NASU, Ukraine, [2]ARKEMA, CERDATO3ARKEMA, CERDATO, France*
[B3.1.93]	V.	Rives	**Influence of the interlayer anion on the thermal properties of LDH/polyamide 6.6 nanocomposites** M. Herrero, F.M. Labajos, V. Rives*, *Universidad de Salamanca, Spain*

[B3.1.94]	F.S.	Salaün	**Influence of solubility parameters on the preparation of hybrid organic-inorganic microparticles** F.S. Salaün*[1], I.V. Vroman[1], C.A. Aubry[1], E.D. Devaux[1], S.B. Bourbigot[2], P.R. Rumeau[3], *[1]GEMTEX-ENSAIT, France, [2]PERF-ENSCL, France, [3]IFTH, France*
[B3.1.95]	L.D.	Salmi	**ALD of inorganic-organic nanolaminates** L.D. Salmi*, E. Puukilainen, M. Vehkamäki, M. Heikkilä, M. Ritala, *University of Helsinki, Finland*
[B3.1.96]	J.	Samuel	**Functionnalization and dispersion of fluorescent silica nanoparticles** J. Samuel*[1], O. Raccurt[1], O. Poncelet[1], W.L. Ling[1], D. Grunwald[1], O. Tillement[2], *[1]CEA, France, [2]CNRS, France*
[B3.1.97]	A.	Santos	**Fabrication of a new structure of nanoporous anodic alumina by two-step hard anodization procedure** A. Santos*, L. Vojkuvka, J. Pallarés, J. Ferré-Borrull, L.F. Marsal, *Universitat Rovira i Virgili, Spain*
[B3.1.98]	S.	Schlabach*	**Tailored refractivity of micro-optical devices facing two different ways of Ta2O5 nanoparticles incorporation** S. Schlabach*[1], D.V. Szabó[1], R. Ochs[1], T. Hanemann[1,2], *[1]Forschungszentrum Karlsruhe GmbH, Germany, [2]Albert-Ludwigs-Universität Freiburg, Germany*
[B3.1.99]	S.	Sen	**Investigation of the adsorption capability of cadmium (Cd) modified13X /polyfuran composites** S. Sen*[1], B. Bardakci[1], A. Uygun[2], *[1]Mehmet Akif Ersoy University, Turkey, [2]Süleyman Demirel University, Turkey*
[B3.1.100]	R.	Shimizu	**Functionalized blending membrane of PAMAM dendrimer in the rigid polymer matrix for CO2 separation** R. Shimizu*, I. Taniguchi, S. Kazama, Y. Fujioka, *Research Institute of Innovative Technology for the Earth, Japan*
[B3.1.101]	A.	Sirivat	**Dielectrophoresis force and deflection behavior of dielectric elastomers under electric field: Effect of dielectric constants** R. Kunanuruksapong, A. Sirivat*, *The Petroleum and Petrochemical College, Thailand*
[B3.1.102]	A.	Sirivat	**Electric field assisted transdermal delivery of salicylic acid from poly(p-phynylene vinylene)-loaded polyacrylamide hydrogels** S. Niamlang, A. Sirivat*, *The Petroleum and Petrochemical College, Thailand*
[B3.1.103]	R.G.	Sousa	**Evaluation of a drug delivery system from hybrid based on thermo-responsive polymers and mesoporous silica** A. Sousa[1,2], E.M.B. Sousa[2], R.G. Sousa*[1], *[1]Universidade Federal de Minas Gerais, Brazil, [2]Centro de Desenvolvimento da Tecnologia Nuclear, Brazil*
[B3.1.104]	N.D.	Stanciu	**"In situ" radical copolymerization of 2-hydroxyethyl methacrilate – chloromethylstyrene on modified montmorillonite** N.D. Stanciu*[1], A.M. Albu[1,2], G. Voicu[2], D.M. Vuluga[1], *[1]Romanian Academy, Romania, [2]University "POLITEHNICA" of Bucharest, Romania*
[B3.1.105]	N.M.	Sulca	**New nanocomposites based on methacrylic polymers and polyhedral oligomeric silsesquioxane** N.M. Sulca*, A. Lungu, S.A. Garea, H. Iovu, *Polytechnic University of Bucharest, Romania*
[B3.1.106]	J.	Tenas	**Epoxy based hybrid materials using functionalised alkoxysilanes** J. Tenas*[1], Y. de Miguel[1], L. Irusta[2], M.J. Fernández-Berridi[2], *[1]LABEIN-Tecnalia, Spain, [2]University of Basque Country, Spain*
[B3.1.107]	A.	Ussawadilokrit	**Impact property and crystallization behavior of polypropylene/montmorillonite nanocomposites** S. Chuayjuljit, A. Ussawadilokrit*, *Chulalongkorn University, Thailand*
[B3.1.108]	N.	Uyanik	**The effects of polar groups containing compatibilizers onto the properties of polyolefin nanocomposites** N. Uyanik*, B. Eriman, *Istanbul Technical University, Turkey*
[B3.1.109]	C.	Visy	**Multifunctional nanocomposites of conducting polymers** C. Janáky, G. Bencsik, E. Kriván, Á. Patzkó, E. Pintér, C. Visy*, *University of Szeged, Hungary*
[B3.1.110]	M.J.	Vitorino	**Polyisoprene-kaolin nanocomposites by in situ polymerization** M.J. Vitorino*, M. Visseaux, *Unité de Catalyse et de Chimie du Solide, France*
[B3.1.111]	Z.	Vuluga	**Study of the morphostructural properties of the LDPE/ layered silicate nanocomposites** Z. Vuluga*[1], C. Radovici[1], R. Trusca[2], D.M. Vuluga[3], E. Vasile[1], *[1]National Research and Development Institute for Chemistry and Petrochemistry, Romania, [2]S.C. METAV, Romania, [3]Centre for Organic Chemistry, Romania*
[B3.1.112]	N.	Watzeels	**Assessing the degree of nanofiller dispersion in poly(ε-caprolactone) nanocomposites by means of dynamic rheometry and advanced thermal analysis** N. Watzeels*, H.E. Miltner, C. Block, N.A. Gotzen, H. Rahier, B. Van Mele, *Vrije Universiteit Brussel, Belgium*
[B3.1.113]	C.K.	Weiss	**The miniemulsion technique as versatile method for the preparation of hybrid nanoparticles** C.K. Weiss*[1,2], C. Hauser[1,2], R. Schiller[1,2], K. Landfester[1,2], *[1]Max-Planck-Institute for Polymer Research, Germany, [2]University of Ulm, Germany*

[B3.1.114]	M.	Yadav	**Synthesis of polyvinyl pyridine based thermochromic polymers** M. Yadav*, P.L. Sah, M.G.H. Zaidi, *G B Pant University of Agriculture & Technology, India*
[B3.1.115]	G.I.	Yakovlev	**Modification of porous cement matrix of the carbon nanotubes** G.I. Yakovlev*, A. Yakovleva, *Izhevsk State Technical University, Russia*
[B3.1.116]	R.	Zandi-Zand	**Preparation of nanocomposite hybrid coatings for scratch, abrasion and corrosion inhibitor of metal surfaces** R. Zandi-Zand*[1], A. Rouhollahi[1], M. Yousefi[2], L. Shamsol'ahrary[3], H. Samar[4], *[1]K.N.Toosi University of Technology, Iran, [2]Iran Polymer and Petrochemical Institute, Iran, [3]Azad University, Iran, [4]Shahid Rajayie Teacher Treatment University, Iran*
[B3.1.117]	B.	Zornoza	**Separation of hydrogen using mixed matrix membranes from nanostructured materials** B. Zornoza*, P. Gorgojo, C. Casado, S. Uriel, C. Tellez, J. Coronas, *University of Zaragoza, Spain*
			Symposium C - MOFs
[C3.1.01]	S.	Aguado	**Preparation of zeolitic imidazolate framework ZIF-23 films on porous alumina** S. Aguado*, D. Farrusseng, *IRCELYON CNRS, France*
[C3.1.02]	B.	Arab-Chapelet	**Uranium oxalate frameworks: Useful tools for actinide co-management in an integrated nuclear fuel cycle** B. Arab-Chapelet*[1], F. Abraham[2], S. Grandjean[1], *[1]CEA, France, [2]ENSCL-USTL, France*
[C3.1.03]	R.C.G.	Frem	**Coordination polymers of palladium(II): Effects of the metal: Oxalate molar ratio on the formation of complexes** R.C.G. Frem*, N. Gomes, A.V.G. Netto, A.E. Mauro, *Instituto de Química de Araraquara, Brazil*
[C3.1.04]	S.	Brandès	**Synthesis of hybrid organic – inorganic materials for CO2 capture** G. Ortiz[1], S. Brandès*[1], P. Pullumbi[2], R. Guilard[1], *[1]Université de Bourgogne, France, [2]AIR LIQUIDE, France*
[C3.1.05]	A.	Cabeza	**Breathing and gas uptake in crystalline calcium tetraphopshonates** A. Cabeza*[1], R.M.P. Colodrero[1], L. León-Reina[1], M.A.G. Aranda[1], E. Barouda[2], K.D. Demadis[2], *[1]University of Málaga, Spain, [2]University of Crete, Greece*
[C3.1.06]	L.C.	de Menorval	**MOF materials as drug support** A Rivera[1], Y.B. Álvarez-Sanchez[1], L.M. Rodríguez-Albelo[1], L.C. de Menorval*[2,1], A.R. Ruiz-Salvador[1], *[1]University of Havana, Cuba, [2]Université Montpellier II, France*
[C3.1.07]	K.D.	Demadis	**Metal tetraphosphonate inorganic-organic hybrid materials and their corrosion inhibiting passive films** K.D. Demadis*, E. Barouda, *University of Crete, Greece*
[C3.1.08]	S.	Devautour-Vinot	**Selective adsorption of alcohol over water in breathing metal organic frameworks: A combination of complementary experimental tools** S. Devautour-Vinot*[1], G. Maurin[1], S. Bourrelly[2], P.L. Llewellyn[2], C. Serre[3], G. Férey[3], *[1]Université Montpellier II, France, [2]Université de Provence, France, [3]Université de Versailles, France*
[C3.1.09]	T.	Devic	**Tuning the sorption selectivity of flexible metal organic frameworks though the use of functionalized linkers** T. Devic*[1], P. Horcajada[1], C. Serre[1], S. Bauer[1], N. Stock[1], G. Ferey[1], *[1]Institut Lavoisier Versailles, France, [2]Institut für Anorganische Chemie, Germany*
[C3.1.10]	D.	Farrusseng	**Heats of adsorption for six gases in three metal-organic frameworks: Systematic comparison of experiment and simulation** D. Farrusseng*[1], U. Ravon[1], Y. Schuurman[1], D. Dubbeldam[2], H. Frost[2], R.Q. Snurr[2], *[1]IRCELYON, France, [2]Northwestern University, USA*
[C3.1.11]	A.	Mesbah	**Thermal evolution of the nickel(II) hydroxy-terephthalate: Crystal structure and magnetic study** A. Mesbah*, A. Carton, Q. Recour, T. Mazet, L. Aranda, M. François, *Université Henri Poincaré, France*
[C3.1.12]	P.	Garczarek	**N,N'-bis(Dihydroxyphosphorylmethyl)benzene-1,2,4,5-Tetracarboxydiimide: A new bisphosphonate building block in supramolecular chemistry** J. Zon[1], P. Garczarek*[1], J. Janczak[2], *[1]Wroclaw University of Technology, Poland, [2]Polish Academy of Science in Wroclaw, Poland*
[C3.1.13]	S.	Gross	**Hexanuclear Zr oxocluster as SBU for the synthesis of a Zr(IV)-based MOF by ligand exchange: A proof of principle** S. Gross*[1], C. Serre[2], T. Devic[2], M. Dan[2], V. Guillerm[2], A. Vittadini[2], *[1]Università di Padova, Italy, [2]Universite de Versailles, France*
[C3.1.14]	E.S.	Larrea	**Metal-organic nickel(II) hybrid vanadates** E.S. Larrea*, J.L. Mesa, J.L. Pizarro, M.I. Arriortua, T. Rojo, *Universidad del País Vasco/Euskal Herriko Unibertsitatea, Spain*
[C3.1.15]	T.	Loiseau	**Crystal chemistry of porous metal-organic framework materials incorporating aluminium and other p elements (gallium, indium)** T. Loiseau*[1], C. Volkringer[1], N. Guillou[1], *[1]Universite de Versailles, France, [2]ICMPE-CMTR, France, [3]Universite de Provence, France*

[C3.1.16]	G.	Maurin	**Adsorption and co-adsorption in flexible metal organic framework materials: Molecular simulations compared to experiments** A. Ghoufi[1], N. Rosenbach[1], S. Bourrelly[2], T. Devic[3], C. Serre[3], G. Maurin*[1], *[1]Université Montpellier II, France, [2]Université de Provence, France, [3]Université de Versailles, France*
[C3.1.17]	G	Maurin	**Diffusion of H2, CH4, and CO2 in flexible metal-organic framework materials: Molecular dynamics compared to quasi-elastic neutron scattering** F. Salles[1], H. Jobic[2], N. Rosenbach[1], P. Llewellyn[3], G. Férey[4], G. Maurin*[1], *[1]Université Montpellier II, France, [2]IRCE Villeurbanne, France, [3]Université de Provence, France, [4]Université de Versailles, France*
[C3.1.18]	J.L.	Mesa	**Organically templated magnetic phosphites** J.L. Mesa*, B. Bazan, J. Lago, J.L. Pizarro, M.I. Arriortua, T. Rojo, *UPV/EHU, Spain*
[C3.1.19]	P.	Phuengphai	**Framework engineering of Zn(II)/4,4'-bipy porous coordination polymers and carboxylate-regulator: Synthesis, structures and thermal properties** P. Phuengphai*[1], J. Reedijk[2], S. Youngme[1], *[1]Khon Kaen University, Thailand, [2]Leiden University, The Netherlands*
[C3.1.20]	U.	Ravon	**MOF design for shape selective brøsnted acid catalysis** U. Ravon*[1], M.E. Domine[1], N. Bats[2], G. Chaplais[3], D. Farrusseng[1], A. Simon-Masseron[3], *[1]IRCELYON CNRS, France, [2]IFP-Lyon, France, [3]ENSCMu, France*
[C3.1.21]	P.	Saint-Cricq	**Functional mesoporous films: Photoactivable films with oxidative properties** P. Saint-Cricq*[1,2], P. Pigot[1,2], S. Lacombe[1,2], L. Nicole[1,3], C. Sanchez[1,3], *[1]CNRS, France, [2]Université de Pau et Pays de l'Adour, France, [3]Université Pierre et Marie Curie, France*
[C3.1.22]	C.	Serre	**Thin film of flexible porous metal-organic-frameworks by dip-coating method** P. Horcajada[1], C. Serre*[1], D. Grosso[2], C. Boissière[2], C. Sanchez[2], S. Perruchas[3], *[1]CNRS-Institut Lavoisier, France, [2]CNRS-UPMC, France, [3]CNRS-Polytechnique, France*
[C3.1.23]	P.C.R.	Soares-Santos	**Photoluminescent lanthanide-organic frameworks with 2,3-pyrazinedicarboxylate** P.C.R. Soares-Santos*, L. Cunha-Silva, F.A.A. Paz, R.A.S. Ferreira, L.D. Carlos, H.I.S. Nogueira, *University of Aveiro, Portugal*
			Symposium C - Zeolites
[C3.2.01]	Y.	Akdeniz	**The effect of microwave treatment on Ag+ exchange of clinoptilolite-rich mineral and resulting antibacterial activity** Y. Akdeniz*, S. Ulku, *Izmir Institute of Technology, Turkey*
[C3.2.02]	A.E.	Awadallah	**Effect of combining the metals of group VI supported on H-ZSM-5 Zeolite as catalysts for non-oxidative conversion of natural gas to petrochemicals** A.K. Aboul-Gheit, A.E. Awadallah*, *Egyptian Petroleum Research Institute, Egypt*
[C3.2.03]	S.M.	Axinte	**The adsorption of ammonia aqueous solutions of synthetic zeolite type A and X loaded with transition metal ions** S.M. Axinte*[1], I. Cernica[2], V. Schiopu[2], *[1]Scientific and Technologi Park for Micro and Nanotechnologies, Romania, [2]IMT Bucharest, Romania*
[C3.2.04]	B.	Bardakçi	**Isomer effects for adsorption of aminothiophenols on synthetic zeolites** B. Bardakçi*[1], N. Kaya[2], *[1]Mehmet Akif Ersoy University, Turkey, [2]Suleyman Demirel University, Turkey*
[C3.2.05]	A.	Bonilla	**Toward functional clathrasils: Size and composition-controlled octadecasil nanocrystals by desilication** A. Bonilla*[1], S. Abelló[1], L.A. Villaescusa[2], J. Pérez-Ramírez[1,3], *[1]Institute of Chemical Research of Catalonia, Spain, [2]Universidad Politecnica de Valencia, Spain, [3]Catalan Institution for Research and Advanced Studies, Spain*
[C3.2.06]	B.	Brühwiler	**Phthalocyanine-based stopcocks for organised dye-zeolite materials** L.Q. Dieu[1], G. Calzaferri[2], D. Brühwiler*[1], *[1]University of Zürich, Switzerland, [2]University of Bern, Switzerland*
[C3.2.07]	D.	Chakrabortty	**Synthesis, characterization and catalytic study of ZrAPO-41 with AFO framework** D. Chakrabortty*[1], C.V.V. Satyanarayana[2], J.N. Ganguli[3], *[1]B.N. College, India, [2]National Chemical Laboratory, India, [3]Gauhati University, India*
[C3.2.08]	L.C.	de Ménorval	**Adsorption of drugs - surfactants on modified natural clinoptilolite** T. Farías[1], L.C. de Ménorval*[2,1], J. Zajac[2], A. Rivera[1], *[1]University of Havana, Cuba, [2]Université Montpellier II, France*
[C3.2.09]	J.	Dedecek	**Al siting and distribution in ferrierite: Combined multispectrocopic and QM/MM study** J. Dedecek*[1], S. Sklenak[1], C.H. Li[1], M. Cubova-Urbanova[1], J. Sauer[2], *[1]Academy of Sciences of the Czech Republic, Czech Republic, [2]The Humboldt University of Berlin, Germany*
[C3.2.10]	P.	Esfahani	**Nano Grease** P. Esfahani, *Techno Ahrom Engineering Group, Iran*
[C3.2.11]	V.	Felice	**Functionalized zeolites as fuel cell electrolytes** V. Felice*, A. Tavares, *Institut National de la Recherche Scientifique, Canada*
[C3.2.12]	A.	Guenet	**Towards the insertion of triplet emitters into zeolites L: Potential use in light-emitting devices** A. Guenet*, F. Cucinotta, L. De Cola, *Westfälische Wilhelms Universität Münster, Germany*
[C3.2.13]	S.	Teekasap	**Synthesis of zeolite A from by-product from aluminium etching process: Effects of reaction temperature and reaction time on pore volume** K. Hussaro, N. Somsuk, T. Wessapan, S. Teekasap*, *Eastern Asia University, Thailand*

[C3.2.14]	J.	Jiang	**Equilibrium and kinetic studies of the adsorption of dibenzylthiophene using NaY zeolite as the adsorbent** J. Jiang*[1,2], F.T.T. Ng[2], [1]*Beijing Research Institute of Chemical Industry, China,* [2]*University of Waterloo, Canada*
[C3.2.15]	A.S.	Kovo	**Synthesis and characterization of zeolite NaA from ahoko Nigeria kaolin using novel dehydroxylation technique** A.S. Kovo*, S.M. Holmes, *The University of Manchester, UK*
[C3.2.16]	C.	Lazau	**Synthesis of functionalized zeolite materials with undoped and doped TiO2 nanocrystals through alternative methods** C. Lazau*[1], C. Ratiu[1,2], P. Sfirloaga[1], C. Orha[1], F. Manea[2], I. Grozescu[1], [1]*National Institute R&D for Electrochemistry and Condensed Matter, Romania,* [2]*University Politehnica, Romania*
[C3.2.17]	N.	Loganathan	**Molecular simulation of water and P-cresol in MFI zeolite and their energetics: A Monte Carlo study** N. Loganathan*, B. Pascal, K. Bogdan, D. Berge-Lefranc, O. Schaef, R. Denoyel, [1]*University of Provence, Aix-Marseille I, France*
[C3.2.18]	A.T.	Massenova	**Physico-chemical modification of natural zeolite and use in catalytic processes** A.T. Massenova*, A.S. Zhumakanova, A.Z. Abilmagzhanov, *D.V.Sokolski Institute of Organic Catalysis & Electrochemistry, Kazakhstan*
[C3.2.19]	E.E.	McLeary	**A new method to prepare microporous membranes** E.E. McLeary*[2], J.C. Jansen[1], F. Kapteijn[1], [1]*Technical University of Delft, The Netherlands,* [2]*University of Stellenbosch, South Africa*
[C3.2.20]	C.	Ratiu	**Application of hybrid materials based on natural zeolite modified with titanium dioxide for water treatment** C. Ratiu*[1,2], C. Lazau[1], P. Sfirloaga[1], F. Manea[2], G. Burtica[2], I. Grozescu[1], [1]*National Institute R&D for Electrochemistry and Condensed Matter, Romania,* [2]*University Politehnica, Romania*
[C3.2.21]	P.	Sazama	**Dynamic behaviour of silver ionic species with sensing and catalytic properties in high silica zeolites** P. Sazama*, J. Dedecek, H. Jirglova, *Academy of Sciences of the Czech Republic, Czech Republic*
[C3.2.22]	Y.	You	**Preparation of the zeolite sheets and honeycomb adsorbent for carbon dioxide adsorption** Y. You*[1], H. Kim[1], R. Singh[2], P. Xiao[2], P.A. Webley[2], A.L. Chaffee[2], [1]*Korea Institute of Energy Researsh, Korea,* [2]*Monash University, Australia*